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**CHECK-LIST  
OF BIRDS OF THE WORLD**

**VOLUME V**

**LONDON : HUMPHREY MILFORD**

**OXFORD UNIVERSITY PRESS**

# CHECK-LIST OF BIRDS OF THE WORLD

VOLUME V

BY

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CURATOR OF BIRDS, MUSEUM OF COMPARATIVE ZOOLOGY  
AT HARVARD COLLEGE



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## INTRODUCTION

NO INNOVATIONS have been adopted in this volume; the general scope, as outlined in the introduction to the first volume, with minor changes explained in the introductions to subsequent volumes, still stands.

A little more than half of the present volume is taken by the hummingbirds. The arrangement of this family is essentially that adopted by Eugène Simon in his *Histoire Naturelle des Trochilidae* (Paris, 1921), but I have not been able to follow all of his generic refinements or some of his interpretations of the Rules of Zoological Nomenclature. Nevertheless, Simon's arrangement is probably the best to date for a family that defies any attempt at a logical linear classification. Generic differentiation has been much overdone in the Trochilidae; too much emphasis has been laid on secondary sexual characters of the males; a better system could probably be evolved from a classification based on the females, but the time element prevented my undertaking it.

Continued changes in geographical place names are difficult to keep up with; I have endeavored to be up-to-date on the more important, and anticipate greater changes after the war. Accents have been placed in all place names in Latin America where required by Spanish or Portuguese grammatical usage.

No new names published since 31 December 1943 are included, nor are the results incorporated of any revisionary work since that date.

Owing to World conditions, it has not been practicable to circulate proofs abroad; instead, carbons of the typescript were sent to the United States National Museum, American Museum of Natural History, and the Chicago Museum of Natural History where they were read as a whole or in part by Dr. H. Friedmann, Dr. A. Wetmore, Mr. H. G. Deignan,

Dr. E. Mayr, Dr. J. P. Chapin, Dr. J. T. Zimmer, and Prof. O. Neumann; to each of these gentlemen my thanks are heartily given.

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Thanks are again due to Mrs. R. E. Bowen who typed the greater part of the manuscript and prepared the index, to Mrs. Peters for invaluable assistance with the proof, and to Dr. Thomas Barbour for his continued encouragement of this project.

J. L. P.

29 January 1945

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**CHECK-LIST**  
**OF BIRDS OF THE WORLD**



## ORDER APODIFORMES (continued)

### SUBORDER TROCHILI

### FAMILY TROCHILIDAE

#### GENUS DORYFERA GOULD<sup>1</sup>

*Doryfera* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 95. Type, by subsequent designation, *Trochilus ludovicae* Bourcier and Mulsant. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 22.)  
cf. Simon, Hist. Nat. Trochil., 1921, p. 2-3; 245-246.

#### *Doryfera johannae johannae* (Bourcier)

*Trochilus Johannæ* Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 45. (Perú.)

*Trochilus Johannæ* Bourcier, Rev. Zool., Aug. 1847, p. 257.

Tropical and subtropical zones of the Eastern Andes of Colombia, eastern Ecuador and northeastern Perú.

#### *Doryfera johannae guianensis* (Boucard)

*Hemistephania ginanensis* [sic] Boucard, Hummingbird, 3, 1893, p. 10. (Merumé Mountains and Carimang River, British Guiana.)

*Doryfera johannæ dissita* Chapman, Am. Mus. Novit., no. 380, 1929, p. 12. (Mount Duida, 4700 feet, Venezuela.)

Tropical and subtropical zones in the mountains of southern Venezuela and British Guiana (Mount Duida, Mount Auyan-tepui, Mount Roraima, Merumé Mountains.)

#### *Doryfera ludovicae veraguensis* Salvin

*Dorifera veraguensis* Salvin, Proc. Zool. Soc. London, 1867, p. 154, in text. (Cordillera de Tolé, Panamá.)

Subtropical zone in the mountains of Costa Rica and western Panamá.

#### *Doryfera ludovicae ludovicae* (Bourcier and Mulsant)

*Trochilus ludovicæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 10, 1847, p. 136. (Colombia, restricted to Buena Vista, 4500 feet, Eastern Andes above Villavicencio.)

Subtropical zone in the Andes of Colombia; Andes of Mérida, Venezuela; central Perú.

<sup>1</sup> Replaces *Hemistephania* Reichenbach, 1854, of Sharpe's Hand-list. *Doryfera* Gould is not preoccupied by *Doryphora* Illiger, 1809.

**Doryfera ludovicae rectirostris** Gould

*Doryfera rectirostris* Gould, Intr. Trochil., 1861, p. 71. (Ecuador.)  
Subtropical zone in the Andes of Ecuador.

**Doryfera ludovicae grisea** Carriker

*Doryfera ludovicae grisea* Carriker, Proc. Acad. Nat. Sci. Phila., **87**,  
1935, p. 317. (Calabatea, 4500 feet, Río Coroico, Dept. La Paz,  
Bolivia.)

Northwestern Bolivia (Tilo Tilo, Calabatea).

GENUS **ANDRODON** GOULD

*Androdon* Gould, Ann. and Mag. Nat. Hist. (3), **12**, 1863, p. 247.

Type, by monotypy, *Androdon aequatorialis* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 3-4; 246-247.

**Androdon aequatorialis** Gould

*Androdon æquatorialis* Gould, Ann. and Mag. Nat. Hist. (3), **12**,  
1863, p. 247. (Ecuador.)

Tropical zone of eastern Panamá and Pacific slope of Colombia and  
Ecuador.

GENUS **RAMPHODON** LESSON

*Ramphodon* Lesson, Traité d'Orn., livr. 4, 1830, p. 287. Type, by  
monotypy, *Trochilus naevius* Dumont.

cf. Simon, Hist. Nat. Trochil., 1921, p. 5; 247-248.

**Ramphodon naevius** (Dumont)

*Trochilus nævius* Dumont, Dict. Sci. Nat., éd. Levrault, **10**, 1818,  
p. 55. (Mount Corcovado, Rio de Janeiro, Brazil.)

Southeastern Brazil from Goyaz (?), Minas Geras and Espirito Santo  
to Rio Grande do Sul.

**Ramphodon dohrnii** (Bourcier and Mulsant)

*Trochilus dohrnii* Boucier and Mulsant, Ann. Sci. Phys. et Nat. d'  
Agric. et d'Ind., Soc. nat. etc., Lyon (2), **4**, 1852, p. 139. (Ecu-  
ador, error = Rio de Janeiro by restriction of Pinto, Rev. Mus.  
Paulista, **22**, 1938, p. 248.)

Eastern Brazil from southern Bahia to Rio de Janeiro.

GENUS **GLAUCIS** BOIE

*Glaucis* Boie, Isis von Oken, 1831, col. 545. Type, by subsequent  
designation, *G. braziliensis* (Lath.) = *Trochilus hirsutus* Gmelin.  
(Gray, List Gen. Bds., 1840, p. 13.)



- cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 329-335.  
Simon, Hist. Nat. Trochil., 1921, p. 5-7; 248-249.  
Todd, Ann. Carnegie Mus., 29, 1942, p. 275-276.

***Glaucis hirsuta aenea* Lawrence**

*Glaucis xneus* Lawrence, Proc. Acad. Nat. Sci. Phila., 1867, p. 232.  
(Costa Rica.)

Nicaragua and Costa Rica; Pacific coast of Colombia; northwestern Ecuador.

***Glaucis hirsuta affinis* Lawrence**

*Glaucis affinis* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 6, 1858, p. 261.  
(Ecuador; type from Napo.)

*Glaucis hirsuta fusca* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser.,  
1, 1913, p. 286. (Orope, Zulia, Venezuela.)

Panamá east of the Canal Zone; tropical zone in Colombia at eastern base of Eastern Andes, and Atrato, Magdalena and Cauca Valleys, and lowlands of the Santa Marta region; region south of Lake Maracaibo, Venezuela; eastern Ecuador; northeastern Perú.

***Glaucis hirsuta insularum* Hellmayr and Seilern**

*Glaucis hirsuta insularum* Hellmayr and Seilern, Verh. Orn. Ges.  
Bayern, 11, 1913, p. 316. (Caparo, Trinidad.)

Islands of Grenada, Trinidad and Tobago.

***Glaucis hirsuta hirsuta* (Gmelin)**

?*Trochilus Tomineo* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121.  
(America.)

*Trochilus hirsutus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 490. (Brazil = northeastern Brazil, ex Marcgrave.)

*Glaucis rojasi* Boucard, Gen. Humming Bds., 1895, p. 364. (Caracas, Venezuela.)

*Glaucis roraimae* Boucard, Gen. Humming Bds., 1895, p. 364.  
(Roraima Mountains, British Guiana.)

*Heteroglaucis philippinae* T. Penard, Proc. New England Zool. Cl.,  
8, 1922, p. 27. (Lelydorp, Surinam.)

Northern and eastern Venezuela, the Guianas and the greater part of Brazil south to Matto Grosso and São Paulo; Bolivia.

GENUS **THRENETES** GOULD

*Threnetes* Gould, Monogr. Trochil., pt. 4, 1852, pls. [14 and 15]  
[= 1, pl. 13 and 15 of volume]. Type, by subsequent designation,  
*Trochilus leucurus* Linné. (G. R. Gray, Cat. Gen. Subgen. Bds.,  
1855, p. 20).

*Heteroglaucis* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38. Type, by original designation, *Trochilus ruckeri* Bourcier.  
cf. Bangs and Penard, Occ. Papers Boston Soc. Nat. Hist., 5, 1924, p. 77-78 (races of *ruckeri*).

Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 381-383 (races of *leucurus*).

Simon, Hist. Nat. Trochil., 1921, p. 7-8; 248-250.

***Threnetes niger* (Linné)**

*Trochilus niger* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121. ("In Indiis" = Cayenne.)

*Trochilus Antoniaë* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 329. (Cayenne.)  
Cayenne.

***Threnetes leucurus cervinicauda* Gould**

*Threnetes cervinicauda* Gould, Proc. Zool. Soc. London, pt. 22, 1854 (1855), p. 109. (Quijos, Ecuador.)

*Threnetes hauxwelli* Boucard, Genera Hummingbirds, 1895, p. 371. (Pebas, Perú.)

Eastern Colombia, eastern Ecuador and northeastern Perú to the north bank of the Marañon.

***Threnetes leucurus rufigastra* Cory**

*Threnetes leucurus rufigastra* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1915, p. 303. (Moyobamba, Perú.)

Eastern Perú south of the Marañon (Moyobamba, Yahuar Mayo).

***Threnetes leucurus leucurus* (Linné)**

*Trochilus leucurus* Linné, Syst. Nat., ed. 12, 1, 1766, p. 190. (South America = Surinam, ex Edwards, pl. 256, f. 1.)

British Guiana, Surinam and Cayenne; southern Venezuela (Mount Duida, Mount Auyan-tepui); Amazonian Brazil (Rio Madeira, Rio Solimoes, Rio Purús).

***Threnetes leucurus medianus* Hellmayr**

*Threnetes leucurus medianus* Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 381. (Tury-assú, Maranhão.)

Northeastern Brazil in eastern Pará and northern Maranhão.

***Threnetes ruckeri ventosus* Bangs and Penard**

*Threnetes ruckeri ventosus* Bangs and Penard, Occ. Papers Boston Soc. Nat. Hist., 5, 1924, p. 77. (Pozo Azul, Costa Rica.)

Nicaragua, Costa Rica, and Panamá south and east to the Canal Zone.

**Threnetes ruckeri darienensis** Bangs and Barbour

*Threnetes ruckeri darienensis* Bangs and Barbour, Bull. Mus. Comp. Zool., 65, 1922, p. 204. (Mount Sapo, eastern Panamá.)

Eastern Panamá and northern Colombia (Santa Marta region; Province of Santander.)

**Threnetes ruckeri ruckeri** (Bourcier)

*Trochilus Ruckeri* Bourcier, Proc. Zool. Soc. London, pt. 15, May, 1847, p. 46. (Type locality not known; Esmeraldas, Ecuador selected as type locality by Bangs and Penard, *antea*.)

*Trochilus Ruckeri* Bourcier, Rev. Zool., after Aug., 1847, p. 259. (Type locality not known.)

*Glaucis fraseri* Gould, Monogr. Trochil., pt. 24, 1861, pl. [3] and text [= 1, pl. 12 of volume]. (Babahoyo, Ecuador.)

Western Colombia and western Ecuador.

**Threnetes ruckeri venezuelensis** Cory

*Threnetes frazeri* [sic] *venezuelensis* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1913, p. 286. (Orope, Zulia, Venezuela.)

Western Venezuela in region southwest of Lake Maricaibo.

GENUS **PHAETHORNIS** SWAINSON

*Phaethornis* Swainson, Philos. Mag. (n.s.), 1, June, 1827, p. 441.

Type, by original designation, "*Troch. superciliosus* of Authors" i.e. *Trochilus superciliosus* Linné.

*Anopetia* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38.

Type, by original designation, *Phaethornis gounellei* Boucard.<sup>1</sup>

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 281-284; 55, 1926, p. 284-288.

Hartert, Das Tierreich, Lief. 9, Aves, 1900, p. 16-28.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 314-329.

Simon, Hist. Nat. Trochil., 1921, p. 8-24; 251-262.

Todd, Ann. Carnegie Mus., 39, 1942, p. 276-286.

**Phaethornis yaruqui sancti-johannis** Hellmayr

*Phaethornis yaruqui sancti-johannis* Hellmayr, Bull. Brit. Orn. Cl., 27, 1911, p. 92. (Condoto, Río Condoto, Chocó, Colombia.)

Tropical zone of the Pacific coast of Colombia.

<sup>1</sup> The characters claimed for *Anopetia* are not of generic value in my opinion; nor is the recognition of *Guyornis* Bonaparte, 1854, *Anisoterus* Mulsant and Verreaux, 1874, *Ametornis* Reichenbach, 1854 and *Pygmornis* Reichenbach, 1854, warranted.

**Phaethornis yaruqui yaruqui** (Bourcier)

*Trochilus Yaruqui* Bourcier, Compt. Rend. Acad. Sci. Paris, **32**, 1851, p. 187. (Vicinity of Yaruqui, Ecuador.)

Tropical zone of western Ecuador.

**Phaethornis guy coruscus** Bangs

*Phaethornis guy coruscus* Bangs, Proc. New England Zool. Cl., **3**, 1902, p. 26. (Boquete, 4500 feet, southern slope of the Volcán de Chiriqui, Panamá.)

Costa Rica, Panamá and the Pacific slope of Colombia.<sup>1</sup>

**Phaethornis guy apicalis** (Tschudi)

*Trochilus apicalis* "Lichtenst." Tschudi, Arch. Naturg., **10**, 1844, Bd. 1, p. 296. (Perú.)

*Trochilus Emiliæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **9**, 1846, p. 317. (Bogotá, Colombia.)<sup>2</sup>

?*Phaethornis fuliginosus* Schlüter, Falco, **9**, 1913, p. 32. (Bogotá, Colombia.) Not *Phaethornis fuliginosus* Simon, 1901.

*Phaethornis fumosus* Schlüter, Falco, **11**, 1915, p. 21. New name to replace *Ph. fuliginosus* Schlüter, preoccupied.

*Guyornis Guyi napensis* Simon, Hist. Nat. Trochil., 1921, p. 18, 258. (Valley of the Napo, eastern Ecuador.)

Tropical and subtropical zones of Colombia (except western), eastern Ecuador and eastern Perú.

**Phaethornis guy guy** (Lesson)

*Trochilus Guy* Lesson, Les Trochilidées, 1833, p. 119, index, p. xiv. (Brazil, error = Venezuela.)

Northeastern Venezuela; Island of Trinidad.

**Phaethornis syrmatorphorus syrmatorphorus** Gould

*Phaethornis syrmatorphora* Gould, in Jardine's Contr. Orn., 1851, p. 139. (Interior of Quito in Ecuador, i.e. western Ecuador.)

*Phaethornis berlepschi* Ernst and Claudia Hartert, Nov. Zool., **1**, 1894, p. 56. (Río Pescado, western slopes of the Andes, Ecuador.)

Subtropical zone of western Colombia and western Ecuador.

**Phaethornis syrmatorphorus columbianus** Boucard

*Phaethornis columbianus* Boucard, Humming Bird, **1**, 1891, p. 17. (Colombia; received in a box of specimens from Bogotá.)

<sup>1</sup> Specimens from western Colombia are certainly nearer to *P. g. coruscus* than to *P. g. apicalis*.

<sup>2</sup> This name a *nomen nudum* in Rev. Zool., 1846. p. 316.

Subtropical zone of eastern Colombia (west to the eastern slope of the Central Andes) and eastern Ecuador.

***Phaethornis symrnatophorus huallagae* Carriker**

*Phaethornis symrnatophorus huallagae* Carriker, Proc. Acad. Nat. Sci. Phila., 87, 1935, p. 344. (Río Jelashte, 4500 feet, Dept. San Martín, Perú.)

Known only from type locality in northeastern Perú.

***Phaethornis superciliosus mexicanus* Hartert**

*Phaethornis mexicanus* Hartert, Ibis, 1897, p. 425. (Dos Arroyos, near Chilpancingo, Guerrero.)

Southwestern México in states of Guerrero and western Oaxaca.

***Phaethornis superciliosus veraecrucis* Ridgway**

*Phaethornis longirostris veraecrucis* Ridgway, Proc. Biol. Soc. Wash., 23, 1910, p. 54. (Buena Vista, Vera Cruz.)

Southeastern México in states of Vera Cruz, Tabasco and eastern Oaxaca.

***Phaethornis superciliosus longirostris* (DeLattre)**

*Ornismya longirostris* DeLattre, Écho du Monde Savant, 1843, no. 45, col. 1070. (Guatemala.)

Chiapas, Guatemala, British Honduras and northern Honduras.

***Phaethornis superciliosus cephalus* (Bourcier and Mulsant)**

*Trochilus cephalus* Bourcier and Mulsant, Rev. Zool., 1848, p. 269. (Central America = Río San Juan, Nicaragua.)

Southern Honduras, Nicaragua, Costa Rica and western Panamá.

***Phaethornis superciliosus cassinii* Lawrence**

*Phaethornis Cassinii* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 8, 1866, p. 347. (Turbo, Gulf of Darien.)

Panamá east of the Canal Zone and adjacent parts of northwestern Colombia.

***Phaethornis superciliosus moorei* Lawrence**

*Phaethornis moorei* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 6, 1858, p. 258. ([Napo], Ecuador.)

*Phaethornis superciliosa Moorei* var. *nigella* Simon, Hist. Nat. Trochil., 1921, p. 13, 252. (Bogotá.)

Eastern parts of Colombia, Ecuador and Perú.

***Phaethornis superciliosus baroni* Hartert**

*Phaethornis baroni* Hartert, Ibis, 1897, p. 426. (Naranjal, Río Pescado, Ecuador.)

Western Ecuador.

**Phaethornis superciliosus bolivianus** Gould

*Phaethornis Boliviana* Gould, Intr. Trochil., 1861, p. 22. (Bolivia.)  
Bolivia; exact range not known.

**Phaethornis superciliosus sussurus** Bangs

*Phaethornis longirostris sussurus* Bangs, Proc. New England Zool. Cl., 2, 1901, p. 64. (Chirua, 7000 feet, Sierra Nevada de Santa Marta, Colombia.)

Confined to the Santa Marta region of northern Colombia.

**?Phaethornis superciliosus saturator** Simon

*Phaethornis superciliosa saturator* Simon, Hist. Nat. Trochil., 1921, p. 13, 252. Based on *Phaethornis superciliosus* (L) Berl. and Hartert, Nov. Zool., 9, 1902, p. 80. (Nericagua and Munduapo, Orinoco River, Venezuela.)

Valleys of the Orinoco and the Caura in eastern Venezuela; upper Rio Branco in northwestern Brazil. Doubtfully distinct from *Ph. s. superciliosus*.

**Phaethornis superciliosus superciliosus** (Linné)

*Trochilus superciliosus* Linné, Syst. Nat., ed. 12, 1, 1766, p. 189. (Cayenne.)

*Phaethornis guianensis* Boucard, Humming Bird, 1, 1891, p. 17. (British Guiana.)

British Guiana, Surinam and Cayenne; northeastern Brazil north of the Amazon.

**Phaethornis superciliosus muelleri** Hellmayr

*Phaethornis superciliosus muelleri* Hellmayr, Bull. Brit. Orn. Cl., 27, 1911, p. 93. (Peixe-Boi, near Pará, [Belém] Brazil.)

Northern Brazil south of the Amazon from the right bank of the Tapajóz to the vicinity of Belém.

**Phaethornis superciliosus insignis** Todd

*Phaethornis superciliosus insignis* Todd Ann. Carnegie Mus., 25, 1937, p. 246. (Itaituba, Rio Tapajóz, Brazil.)

Northern Brazil south of the Amazon from the right bank of the Madeira to the left bank of the Tapajóz.

**Phaethornis superciliosus ochraceiventris** Hellmayr

*Phaethornis affinis ochraceiventris* Hellmayr, Bull. Brit. Orn. Cl., 19, 1907, p. 54. (Humaythá, Rio Madeira, Brazil.)

Western Brazil south of the Amazon from an undetermined point, eastward to the left bank of the Madeira.

**Phaethornis malaris** (Nordmann)

*Trochilus malaris* Nordmann, in Erman's Reise um die Erde, Naturhist. Atlas, 1835, p. 2, pl. 16. (No type locality = Cayenne.)  
Cayenne.

**Phaethornis eurynome** (Lesson)

*Trochilus eurynome* Lesson, Les Trochilidées 1832, p. 91, pl. 31.  
(Brazil.)

*Phæthornis paraguayensis* M. and W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 54. (Alto Paraná between lat. 25° and 27° 30' S.)

Southeastern Brazil from Espirito Santo to Rio Grande do Sul; Paraguay; northeastern Argentina (Misiones).

**Phaethornis hispidus** (Gould)

*Trochilus* (——?) *hispidus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 90. (Perú? error = Bolivia.)

*Trochilus oseryi* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. Nat. etc., Lyon (2), 4, 1852, p. 139.  
(Banks of the Pastaza, Ecuador.)

*Phæthornis villosus* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 6, 1858, p. 259. (Ecuador, types from Napo and Bogotá.)

Tropical zone in central Venezuela, eastern Colombia, eastern Ecuador, eastern Perú, western Brazil and northeastern Bolivia.

**Phaethornis anthophilus hyalinus** Bangs

*Phæthornis hyalinus* Bangs, Auk, 18, 1901, p. 27. (San Miguel Island, Pearl Islands, Bay of Panamá.)

Confined to the Pearl Islands.

**Phaethornis anthophilus anthophilus** (Bourcier)

*Trochilus anthophilus* Bourcier, Rev. Zool., March, 1843, p. 71.  
(Upper Magdalena Valley, Colombia.)

*Trochilus Anthophilus* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 47. (No locality.)

*Phaethornis anthropilus* [sic] *fuscicapillus* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1913, p. 288. (Orope, Zulia, Venezuela.)

Tropical zone of northern Colombia and western Venezuela.

**Phaethornis anthophilus fuliginosus** Simon

*Phæthornis fuliginosus* Simon, Ornith., 11, 1901, p. 201. (Colombia, type from Bogotá.)

Known only from Bogotá trade skins. Range not known but doubtless in Amazonian Colombia.

**Phaethornis bourcierii whitelyi** Boucard

*Phaethornis whitelyi* Boucard, Humming Bird, 1, 1891, p. 18. (Mt. Roraima.)

Southeastern Colombia (Caquetá), southern Venezuela (Mount Duida), British Guiana, Surinam and Cayenne; the bird of the upper Rio Negro region of Brazil is probably referable here.

**Phaethornis bourcierii bourcierii** (Lesson)

*Trochilus Bourcierii* Lesson, Les Trochilidées, 1832, p. 62, pl. 18. (Brazil.)

Eastern Ecuador and northeastern Perú; Amazonian Brazil east to the Tapajóz.

**Phaethornis philippii** (Bourcier)

*Trochilus Philippii* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 10, 1847, p. 623. (Bolivia.)

*Trochilus de Filippii* Boursier [sic], Rev. Zool., Dec. 1847, p. 401. (Bolivia.)

Bolivia?; Amazonian Brazil where recorded from the Solimoes, Rio Juruá, Rio Madeira and Rio Purús.

**Phaethornis squalidus** (Temminck)

*Trochilus squalidus* Temminck, Pl. col., livr. 20, 1822, pl. 120, f. 1. (Brazil; type from Ypanema, São Paulo.)

Southeastern Brazil from Minas Geraes (Bello Horizonte) and Espírito Santo, to Santa Catharina.

**Phaethornis augusti augusti** (Bourcier)

*Trochilus augusti* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 10, 1847, p. 623. (Caracas, Venezuela.)

*Anisoterus Augusti vicarius* Simon, Hist. Nat. Trochil., 1921, p. 16, 257. (Savanna of Bogotá and northern Amazonian Colombia.)

Eastern Andes of Colombia; western and northern Venezuela: Andes of Mérida, Valencia, Caracas and Cumaná; Paria Peninsula; middle Orinoco.

**Phaethornis augusti incanescens** (Simon)

*Anisoterus Augusti incanescens* Simon, Hist. Nat. Trochil., 1921, p. 16, 257. (Quonga; Merumé Mountains and Mount Roraima, British Guiana.)

Mountains of British Guiana and Mt. Roraima on the Venezuelan border, Mt. Auyah-tepui, Venezuela.

**Phaethornis pretrei** (Lesson and DeLattre)

*Trochilus Pretrei* Lesson and DeLattre, Rev. Zool., 1839, p. 20. (Minas Geraes, Brazil.)



*Phaethornis garleppi* Boucard, Humming Bird, **3**, 1893, p. 9. (Buyes, Bolivia.)

*Phaethornis pallidiventris* Madaráz, Orn. Monatsb., **19**, 1911, p. 6. (Brazil.)

Extends from the base of the Andes in eastern Bolivia across the campo region of Brazil to Maranhão, Piahy and Ceará, and south to Matto Grosso and São Paulo.

***Phaethornis subochraceus* Todd**

*Phaethornis subochraceus* Todd, Proc. Biol. Soc. Wash., **28**, 1915, p. 170. (Santa Cruz de la Sierra, Bolivia.)

Northeastern Bolivia.

***Phaethornis nattereri* Berlepsch**

*Phaethornis nattereri* Berlepsch, Ibis, 1887, p. 289. (Caiçara and Engenho do Gama, Matto Grosso.)

*Pygmornis chapadensis* J. A. Allen, Bull. Am. Mus. Nat. Hist., **5**, 1893, p. 122. (Chapada, Matto Grosso.)

Central and eastern Brazil: recorded only from the states of Matto Grosso, Maranhão and Piahy.

***Phaethornis gounellei* Boucard**

*Phaethornis* [sic] *gounellei* Boucard, Humming Bird, **1**, 1891, p. 17. ("Brazilia"; type from Santo Antonio da Barra, Bahia.)

*Threneles longicauda* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., **1**, 1915, p. 301. (Jua, near Iguatu, Ceará. Brazil.)<sup>1</sup>

Brazil in states of Matto Grosso, Piahy, Ceará and Bahia.

***Phaethornis rupurumii rupurumii* Boucard**

*Phaethornis* [sic] *Rupurumii* Boucard, Humming Bird, **2**, 1892, p. 1. (Rupurumi [i.e. Rupuruni] River, British Guiana.)

Venezuela in valleys of the Orinoco and Caura Rivers; British Guiana; upper Rio Branco region of northwestern Brazil.

***Phaethornis rupurumii amazonicus* Hellmayr**

*Phaethornis rupurumii amazonicus* Hellmayr, Bull. Brit. Orn. Cl., **16**, 1906, p. 82. (Itaituba, near Santarem, Brazil.)

Valley of the lower Amazon (both banks), near the junction with the Tapajóz.

***Phaethornis porcellae* Carriker**

*Phaethornis porcellae* Carriker, Proc. Acad. Nat. Sci. Phila., **87**, 1935, p. 345. (Porculla Pass, 5200 feet, Dept. Lambayeque, Perú.)

<sup>1</sup> For statement concerning identity of *Ph. gounellei* with *T. longicauda* see Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **12**, 1929, p. 383.

Known only from two females from the type locality on the western slopes of the western Cordillera of Perú.<sup>1</sup>

**Phaethornis ruber episcopus** Gould

*Phaethornis episcopus* Gould, Proc. Zool. Soc. London, pt. 25, 1857, p. 14. (British Guiana.)

*Phaethornis caurensis* Simon and Dalmas, Ornith., 11, 1901, p. 208. (Caura River, Venezuela.)

Eastern and southern Venezuela; British Guiana.

**Phaethornis ruber ruber** (Linné)

*Trochilus ruber* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121. (Surinam, ex Edwards p. 32, pl. 32, upp. f.)<sup>2</sup>

Surinam and Cayenne; the greater part of Brazil south to north-eastern Matto Grosso, Goyaz and São Paulo.

**Phaethornis ruber nigricinctus** Lawrence

*Phaethornis nigricinctus* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 6, 1858, p. 260. (Ecuador.)

Eastern Ecuador; upper Rio Negro region of Brazil; northeastern Perú; eastern Bolivia.

**Phaethornis ruber longipennis** Berlepsch and Stolzmann

*Phaethornis rufigaster longipennis* Berlepsch and Stolzmann, Proc. Zool. Soc. London, vol. 2, 1902, p. 19. (Chanchamayo, Perú.)

East-central Perú.

**Phaethornis (ruber?) stuarti** Hartert

*Phaethornis stuarti* Hartert, Bull. Brit. Orn. Cl., 6, 1897, p. 39. (Salinas, Beni River, Bolivia.)

Bolivia in departments of Beni and Santa Cruz.

**Phaethornis griseogularis** Gould

*Phaethornis griseogularis* Gould, Monogr. Trochil., pt. 2, Nov. 1851, pl. [14] and text [= 1, pl. 30 of volume]. (Bogotá and Quito.)

<sup>1</sup> *P. porcellae* is evidently most nearly related to *P. nattereri*. It has a tail of about the same shape, but central rectrices less pointed; bill longer; wing shorter; greener, less bronzy above; basal portion of rectrices blue black instead of bronze green; tail feathers tipped with white instead of with rufous; under parts paler.

<sup>2</sup> I see no reason for discarding this name in favor of *Trochilus pygmaeus* Spix; it corresponds to *Pygmornis pygmaeus* of the Cat. Bds. Brit. Mus.; *Phaethornis rufigaster typicus* Hartert, Das Thierreich, Lief. 9, Aves, p. 27; *Phaethornis rufiventris* of Sharpe's Hand-list and *Pygmornis pygmaea* of Simon.

*Phaethornis griseogularis* Gould, Proc. Zool. Soc. London, pt. 19, 1851 (1853), p. 115. (Colombia.)

Tropical zone of Colombia, Ecuador and Perú, east of the Andes.<sup>1</sup>

***Phaethornis longuemareus adolphi* Gould**

*Phaethornis adolphi* Bourc. Gould, Monogr. Trochil., pt. 14, 1857, pl. [15] and text [= 1, pl. 35 of volume]. (Córdoba, Vera Cruz, México.)

Humid tropical zone of southeastern México in states of Vera Cruz, Oaxaca, Tabasco and Chiapas.

***Phaethornis longuemareus saturatus* Ridgway**

*Phaethornis adolphi saturatus* Ridgway, Proc. Biol. Soc. Wash., 23, 1910, p. 54. (El Hogar, Costa Rica.)

Humid tropical zone of Central America from Guatemala and British Honduras to the Canal Zone; not recorded from El Salvador.

***Phaethornis longuemareus subrufescens* Chapman**

*Phaethornis adolphi fraterculus* Nelson, Smiths. Misc. Coll., 60, 1912, no. 3, p. 9. (Cana, 2000 feet, Panamá.) Not *Phaethornis fraterculus* Gould, 1861.

*Phaethornis striigularis subrufescens* Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 283. (Barbacoas, Nariño, Colombia.)

*Phaethornis adolphi nelsoni* Bangs and Barbour, Bull. Mus. Comp. Zool., 65, 1922, p. 204. New name for *Phaethornis adolphi fraterculus* Nelson, preoccupied.

Humid tropical zone of eastern Panamá, western Colombia and western Ecuador.

***Phaethornis longuemareus striigularis* Gould**

*Phaethornis striigularis* Gould, Monogr. Trochil., pt. 8, 1854, pl. [15] and text [= 1, pl. 37 of volume]. (Bogotá, Colombia.)

Northern and central Colombia.

***Phaethornis longuemareus atrimentalis* Lawrence**

*Phaethornis atrimentalis* Lawrence, Ann. Lyc. Nat. Hist., N. Y. 6, 1858, p. 260. ([Napo], Ecuador.)

*Phaethornis riojæ* Berlepsch, Ibis, 1889, p. 182. (Rioja, Perú.)<sup>2</sup>

Eastern Ecuador and eastern Perú.

***Phaethornis longuemareus ignobilis* Todd**

*Phaethornis striigularis ignobilis* Todd, Proc. Biol. Soc. Wash., 24, 1913, p. 173. (Las Quiguas, Venezuela.)

<sup>1</sup> Simon, 1921, p. 260, records specimens in his collection from Mount Roraima, British Guiana.

<sup>2</sup> Cf. Zimmer, Field Mus. Nat. Hist. Publ., Orn. Ser., 18, 1930, p. 272-273.

Venezuela (San Esteban, Las Quiguas, El Trompillo, Sabana de Mendoza, Santa Elena, Santa Lucia).

**Phaethornis longuemareus longuemareus** (Lesson)

*Trochilus Longuemareus* Lesson, Les Trochilidéés, 1832, p. 15; 1833, p. 160, pl. 2, 62. (Cayenne.)

Surinam, Cayenne; Island of Trinidad.

**Phaethornis longuemareus idaliae** (Bourcier and Mulsant)

*Trochilus Idaliae* Bourcier and Mulsant, Ann. Soc. Linn. Lyon (n.s.), 3, 1856, p. 187. (Interior of Brazil.)<sup>1</sup>

Southeastern Brazil in states of Espirito Santo and Rio de Janeiro.

**Phaethornis zonura** Gould

*Phaethornis zonura* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 305. (Perú.)<sup>2</sup>

Northern Perú. Not seen, affinities uncertain, perhaps identical with, or only a form of, *P. griseogularis*.

GENUS **EUTOXERES** REICHENBACH

*Eutoxeres* Reichenbach, Av. Syst. Nat. [1849], pl. XL. generic details only, no species. Species added, Gould, Monogr. Trochil., pt. 2, Nov. 1851, pls. [5 and 6]. Type, by subsequent designation, *Trochilus aquila* Lodd. i.e. Bourcier. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 21.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 310-313. Simon, Hist. Nat. Trochil., 1921, p. 24-25; 262-263.

**Eutoxeres aquila salvini** Gould

*Eutoxeres Salvini* Gould, Ann. and Mag. Nat. Hist. (4), 1, 1868, p. 456. (Veragua, Panamá.)

Eastern and southwestern Costa Rica; western Panamá (Veraguas).

**Eutoxeres aquila munda** Griscom

*Eutoxeres aquila munda* Griscom, Bull. Mus. Comp. Zoöl., 72, 1932, p. 330. (Obaldia, Caribbean slope of Darién, Panamá.)

*Eutoxeres aquila viridior* Griscom, Bull. Mus. Comp. Zoöl., 72, 1932, p. 331. (Naranjito, Río Dagua, Colombia.)

Extreme eastern Panamá and the Pacific slope of Colombia.

**Eutoxeres aquila aquila** (Bourcier)

*Trochilus Aquila* Bourcier (ex Loddiges MS.), Proc. Zool. Soc. London, pt. 15, 1847, p. 42. (Vicinity of Bogotá, Colombia.)

Eastern Colombia and eastern Ecuador.

<sup>1</sup> *Phaethornis viridicaudatus* Gould, 1858 is the ♀.

<sup>2</sup> *Pygmornis apheles* Heine, 1884, is perhaps the same.

**Eutoxeres aquila heterura** Gould

*Eutoxeres heterura* Gould, Ann. and Mag. Nat. Hist. (4), 1, 1868, p. 45. (Quito, Ecuador.)

*Eutoxeres baroni* Ernst and Claudia Hartert, Nov. Zool., 1, 1894, p. 54, p. 55, f. 3. (Río Pescado, near Naranjal, Ecuador.)

Southwestern Colombia and western Ecuador.

**Eutoxeres condensini condensini** (Bourcier)

*Trochilus Condardini* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 187. (Archidona, Ecuador.)

*Eutoxeres LaCondardine* Simon, Hist. Nat. Trochil., 1921, p. 24, 263. Emendation.

Southeastern Colombia and eastern Ecuador.

**Eutoxeres condensini gracilis** Berlepsch and Stolzmann

*Eutoxeres condensini gracilis* Berlepsch and Stolzmann, Proc. Zool. Soc. London, 1902, vol. 2, p. 19. (Vitoc, Perú.)

Eastern Perú.

GENUS **PHAEOCHROA** GOULD

*Phæochroa* Gould, Intr. Trochil., 1861, p. 54. Type, by subsequent designation, *Trochilus cuvierii* DeLatre and Bourcier. (Elliot, Classif. Syn. Trochilidae, 1879, p. 23.)

*Bombornis* Oberholser, Auk, 37, 1920, p. 295. New name for *Phæochroa* Gould on grounds of preoccupation by *Phæochrous* Laporte de Castelnau, 1840, Coleoptera. Type, by original designation, *Trochilus cuvierii* DeLatre and Bourcier.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 362-366. Simon, Hist. Nat. Trochil., 1921, p. 25-26; 263-264.

**Phæochroa cuvierii roberti** (Salvin)

*Aphantochora* [sic] *roberti* Salvin, Proc. Zool. Soc. London, Aug., 1861, p. 203. (Tierra caliente of Vera Paz.)

*Campylopterus roberti* Salvin, Gould, Monogr. Trochil., pt. 23, Sept. 1861, pl. [11] and text [= 2, pl. 53 of volume]. (Mountains of Vera Paz in Central America.)

*Phæochroa Roberti* Salvin, Gould, Intro. Trochil., 1861 (preface Sept. 1st), p. 55.

Eastern Central America from Guatemala and British Honduras to Nicaragua.

**Phæochroa cuvierii maculicauda** Griscom

*Phæochroa cuvierii maculicauda* Griscom, Bull. Mus. Comp. Zool., 72, 1932, p. 332. (Bolsón, Costa Rica.)

Costa Rica and western Panamá.

**Phaeochroa cuvierii saturator** (Hartert)

*Aphantochroa cuvieri saturator* Hartert, Bull. Brit. Orn. Cl., **12**, 1901, p. 33. (Coiba Island, Panamá.)

Coiba Island and the forested parts of the opposite mainland of Panamá (Veraguas; Azuero Peninsula.)

**Phaeochroa cuvierii cuvierii** DeLattre and Bourcier

*Trochilus Cuvierii* DeLattre and Bourcier, Rev. Zool., 1846, p. 310. (Isthmus of Panamá and Telemán, Central America.)

Panamá from the Canal Zone eastward.

**Phaeochroa cuvierii berlepschi** Hellmayr

*Phaeochroa cuvierii berlepschi* Hellmayr, Verh. Orn. Ges. Bayern, **12**, 1915, p. 208. (Barranquilla, Colombia.)

*Phaeochroa cuvierii notia* Todd, Proc. Biol. Soc. Wash., **30**, 1917, p. 5. (Turbaco, Bolívar, Colombia.)

Coastal region of northern Colombia from Cartagena to Barranquilla.

GENUS **CAMPYLOPTERUS** SWAINSON

*Campylopterus* Swainson, Zool. Journ., **3**, 1827, p. 358. Type, by subsequent designation, *C. latipennis* (Lath.) = *Trochilus largipennis* Boddaert.<sup>1</sup> (G. R. Gray, List Gen. Bds., 1840, p. 13.)

cf. Berlioz, Bull. Mus. Nat. Hist. Nat. Paris (2) **3**, 1931, p. 82-90.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 353-361.

Simon, Hist. Nat. Trochil., 1921, p. 26-32; 264-267.

**Campylopterus curvipennis curvipennis** (Lichtenstein)

*Trochilus curvipennis* Lichtenstein, Preis-Verzeichn. Säugeth. Vög. Mexico gesam., 1830, p. 1, no. 32. (México.)

Southeastern México from San Luis Potosí to Vera Cruz and Oaxaca.

**Campylopterus curvipennis yucatanensis** (Simon)

*Pampa curvipennis yucatanensis* Simon, Hist. Nat. Trochil., 1921, p. 28, 264. (Yucatán Peninsula and Apazote, Campeche.)

Yucatán Peninsula; doubtfully distinct.

<sup>1</sup> Includes *Pampa* Reichenbach 1854; the characters on which this monotypic genus is maintained seem to me to be of specific rather than generic value, especially in view of the close affinities between it and *C. largipennis*. Simon subdivides *Campylopterus* into three additional genera, viz., *Platystylopterus* Reichenbach 1854, *Loxopterus* Cabanis and Heine 1860 and *Saepiopterus* Reichenbach 1854.

**Campylopterus curvipennis excellens** (Wetmore)

*Pampa pampa excellens* Wetmore, Proc. Biol. Soc. Wash., 54, 1941, p. 207. (Volcán San Martín, 3300 feet, Tuxtla Mountains, Vera Cruz, México.)

Confined to the Sierra de Tuxtla, southern Vera Cruz, México.

**Campylopterus curvipennis pampa** (Lesson)

*Ornismya pampa* Lesson, Hist. Nat. Colibris, Suppl. Ois.-Mouch., 1832, p. 127, pl. 15. (Interior of la Plata = Guatemala.)

*Pampa lessoni* Simon, Cat. Fam. Trochil., 1897, p. 8. (Guatemala.) Lowlands of eastern Guatemala.

**Campylopterus largipennis largipennis** (Boddaert)

*Trochilus largipennis* Boddaert, Table Pl. enlum., 1783, p. 41. (Cayenne, ex d'Aubenton, pl. 672, f. 2.)

*Campylopterus largipennis maronicus* Simon, Hist. Nat. Trochil., 1921, p. 29, 265. (Maroni, Cayenne.)

Eastern Venezuela in the valleys of the Orinoco and the Caura, the Guianas, and the Rio Negro region of northwestern Brazil.<sup>1</sup>

**Campylopterus largipennis obscurus** Gould

*Campylopterus obscurus* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 13. (River Amazon.)

Northeastern Brazil in eastern portion of State of Pará (including Marajó Island) and northern Maranhão.

**Campylopterus largipennis aequatorialis** Gould

*Campylopterus Aequatorialis* Gould, Intro. Trochil., 1861, p. 54. (Neighborhood of Quito.)

Eastern Colombia, eastern Ecuador, eastern Perú, northern Bolivia, and northwestern Brazil south of the Amazon and east to the Madeira.

**Campylopterus rufus** Lesson

*Campylopterus rufus* Lesson, Rev. Zool., 1840, p. 73. (No locality, = Guatemala.)

Highlands of Chiapas, western Guatemala and El Salvador.

**Campylopterus hyperythrus hyperythrus** Cabanis

*Campylopterus hyperythrus* Cabanis, in Schomburgk's Reisen Brit.-Guiana, 3, 1848, p. 709. (Mount Roraima, 6000 feet, British Guiana.)

Mount Auyan-tepui, Venezuela, and Mount Roraima on the Venezuela-British Guiana border.

<sup>1</sup> Recorded from Minas Geraes by Simon on the basis of a specimen taken by Gounelle; there must be some error either in identification or labelling.

**Campylopterus hyperythrus duidae** Chapman

*Campylopterus duidae* Chapman, Am. Mus. Novit., no. 380, 1929, p. 13. (Mount Duida, 5000 feet, Venezuela.)

Mount Duida, southern Venezuela.

**Campylopterus hemileucurus hemileucurus** (Lichtenstein)

*Trochilus hemileucurus* Lichtenstein, Preis-Verzeichn. Säugeth. Vög. Mexico gesam., 1830, p. 1, no. 33. (Mexico.)

Subtropical zone of southern México from Guerrero and Vera Cruz southward over Central America to Nicaragua.

**Campylopterus hemileucurus mellitus** Bangs

*Campylopterus hemileucurus mellitus* Bangs, Proc. New England Zool. Cl., 3, 1902, p. 28. (Boquete, 4800 feet, southern slope of Volcán de Chiriquí, Panamá.)

Subtropical zone of Costa Rica and western Panamá.

**Campylopterus ensipennis** (Swainson)

*Trochilus ensipennis* Swainson, Zool. Ill., 2, 1821-22 (1822), pl. 107. (Locality unknown.)

Northeastern Venezuela; islands of Trinidad and Tobago.<sup>1</sup>

**Campylopterus falcatus** (Swainson)

*Trochilus falcatus* Swainson, Zool. Ill., 2, 1821-22 (1821), pl. 83. ("Spanish Main" = northern Venezuela.)<sup>2</sup>

Subtropical zone of the Andes of Colombia (except Santa Marta Mountains), eastern Ecuador and the Andes of Venezuela from Mérida to the Silla de Caracas.

**Campylopterus phainopeplus** Salvin and Godman

*Campylopterus phainopeplus* Salvin and Godman, Ibis, 1879, p. 202. (Sierra Nevada de Santa Marta, Colombia, type from San José.)

Subtropical zone (at times however ranging up to 15,000 feet) on the southern slope of the Sierra Nevada of Colombia.

**Campylopterus villaviscensio** (Bourcier)

*Trochilus Villaviscensio* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 187. (Napo, Ecuador.)

Tropical to subtropical zone of eastern Ecuador.

<sup>1</sup> Erroneously recorded from Grenada by Simon.

<sup>2</sup> Replaces *Trochilus lazulus* Vieillot, 1822, not applicable; cf. Hellmayr and Seilern, Arch. f. Naturg., 78, Abth. A., 1912, Heft. 5, p. 138. Furthermore, even if Vieillot's name were applicable, Swainson's has priority.



GENUS **EUPETOMENA** GOULD

*Eupetomena* Gould, Monogr. Trochil., pt. 6, 1853, pl. [1] and text [= 2, pl. 42 of volume]. Type, by monotypy, *Trochilus macrourus* Gmelin.

cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 386-388.

Simon, Hist. Nat. Trochil., 1921, p. 32-33; 268.

**Eupetomena macroura macroura** (Gmelin)

*Trochilus macrourus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 487.

(Jamaica, error, Cayenne designated as type locality by Hellmayr, *antea*, p. 387.)

*Eupetomena macrura* var. *prasina* Simon, Cat. Fam. Trochil., 1897, p. 9.

The Guianas, Brazil south to the Amazon and islands in the Amazon Delta, thence southward through the interior of Brazil to São Paulo and Matto Grosso; Paraguay.

**Eupetomena macroura simoni** Hellmayr

*Eupetomena macroura simoni* Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 386. (Rio do Peixe, near Queimadas, Bahia.)

Northeastern Brazil in states of Maranhão, Piauí, Ceará, Pernambuco and Bahia.

**Eupetomena macroura hirundo** Gould

*Eupetomena hirundo* Gould, Ann. and Mag. Nat. Hist. (4), 16, 1875, p. 370. (Huito, 4800 feet, Valley of Santa Ana, Perú.)

Eastern Perú and northeastern Bolivia.

GENUS **FLORISUGA** BONAPARTE

*Florisuga* Bonaparte, Consp. Av., 1, Mar., 1850, p. 73. Type, by subsequent designation, *Trochilus mellivorus* Linné. (Bonaparte, Compt. Rend. Acad. Sci. Paris, 30, 8 Apr., 1850, p. 382.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 575-580.

Simon, Hist. Nat. Trochil., 1921, p. 34-35; 268-269.

**Florisuga mellivora mellivora** (Linné)

*Trochilus mellivorus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121. (India, error = Surinam *ex* Edwards, p. 35, pl. 35, upper fig.)

*Florisuga sallei* Boucard, Humming Bird, 1, 1891, p. 18 ("South México").

*Florisuga guianensis* Boucard, Gen. Humming Birds, 1895, p. 340. (Demerara and River Atapuroni, British Guiana.)

*Florisuga peruviana* Boucard, Gen. Humming Birds, 1895, p. 340.  
(Ecuador, and Pebas, Perú.)

*Florisuga mellivora speideli* Floericke, Mitt. Vogelw., 19, 1920.

Southern México from Oaxaca and Vera Cruz south over all of Central America and northern South America to Perú, northern Bolivia and Brazil (Matto Grosso to Maranhão); islands of Trinidad, Aruba and Carriacou (accidental? one record).

**?*Florisuga mellivora flabellifera* (Gould)**

*Trochilus* (——?) *flabelliferus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 45. (México, error = Tobago, *ex* Gould, Monogr. Trochil., pt. 2, 1851, pl. [11].)

*Florisuga mellivora tobagensis* Ridgway, Proc. Biol. Soc. Wash., 23, 1910, p. 55. (Tobago.)

Island of Tobago. Doubtfully distinct from *F. m. mellivora*.

GENUS **MELANOTROCHILUS** DESLONGCHAMPS

*Melanotrochilus* [subgenus] Deslongchamps, Guide du Naturaliste, 2, 1880, p. 7. Type, by monotypy, *Trochilus fuscus* Vieillot.

*cf.* Simon, Hist. Nat. Trochil., 1921, p. 35; 269–270.

***Melanotrochilus fuscus* (Vieillot)**

*Trochilus fuscus* Vieillot, Nouv. Dict. Hist. Nat., 7, 1817, p. 348. (Brazil.)

Eastern Brazil in State of Minas Geraes and the coastal states from Pernambuco to Rio Grande do Sul.

GENUS **COLIBRI** SPIX <sup>1</sup>

*Colibri* Spix, Av. Bras., 1, 1824, p. 80. Type, by subsequent designation, *Trochilus serrirostris* Vieillot. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 21.)

*cf.* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 480–488.  
Simon, Hist. Nat. Trochil., 1921, p. 36–37; 270–272 (*sub nom.* *Petasophora* and *Telesiella*).

***Colibri delphinae* (Lesson)**

*Ornismya Delphinæ* Lesson, Rev. Zool., 1839, p. 44. (No type locality; Santa Fé de Bogotá, Colombia, designated by Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 87.)

Central America from Guatemala to Panamá (unrecorded between Veraguas and Darién), and South America to Perú, Bolivia and British Guiana; Island of Trinidad.

<sup>1</sup> Replaces *Petasophora* G. R. Gray, 1840, of Sharpe's Hand-list.

**Colibri thalassinus thalassinus** (Swainson)

*Trochilus thalassinus* Swainson, Philos. Mag. (n.s.), 1, 1827, p. 441.  
(Temascáltepec, México.)

Upper tropical to temperate zones of México and Central America from Nayarit, San Luis Potosí and Vera Cruz to Guatemala.

**?Colibri thalassinus minor** (Berlioz)

*Petasophora thalassina minor* Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 9. (Merendon, Copan, Honduras.)

Honduras; birds from El Salvador are probably referable to this race.

**Colibri thalassinus cabanidis** (Heine)

*Petasophora Cabanidis* Heine, Journ. f. Orn., 11, 1863, p. 182. (Costa Rica.)

Highlands of Costa Rica and western Panamá.

**Colibri thalassinus cyanotus** (Bourcier)

*Trochilus cyanotus* Bourcier, Rev. Zool., April, 1843, p. 101. (Caracas.)

*Trochilus Cyanotus* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 41. (Caracas, Venezuela.)

Subtropical zone in the mountains of Colombia, Venezuela, Ecuador, and Perú.

**Colibri thalassinus crissalis** Todd

*Colibri cyanotus crissalis* Todd, Ann. Carnegie Mus., 39, 1942, p. 292. (Incachaca, Bolivia.)

Subtropical zone of the Andes of Bolivia.

**Colibri coruscans coruscans** (Gould)

*Trochilus (Petasophora) coruscans* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 44. (South America.) Aberration.<sup>1</sup>

*Petasophora iolota* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 9. (Bolivia.)

*Colibri iolatus brevipennis* Cory, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 2, no. 1, 1918, p. 221, note a. (Caracas, Venezuela.)

Subtropical to arid temperate zones of Colombia, Venezuela, Ecuador, Perú, Bolivia and northwestern Argentina.

<sup>1</sup> This name is in no way affected by *Trochilus coruscus* Fraser, 1840 as claimed by Simon. Fraser's name however is a homonym of *Trochilus coruscus* Lichtenstein 1830. *Petasophora rubrigularis* Elliot, 1878, is based on an aberration.

**Colibri coruscans germanus** (Salvin and Godman)

*Petasophora germana* Salvin and Godman, Ibis, 1884, p. 451. (Mt. Roraima, British Guiana.)

Subtropical zone of Mt. Auyan-tepui and Mt. Duida, Venezuela, and Mt. Roraima on the Venezuela-British Guiana border.

**Colibri serrirostris** (Vieillot)

*Trochilus serrirostris* Vieillot, Analyse, 1816, p. 69. (Brazil.)

Eastern Bolivia; Brazil in states of Matto Grosso, Goyaz, Minas Geraes, Bahia, Rio de Janeiro, São Paulo and Paraná; Argentina in provinces of Santa Fe and Tucumán.

GENUS **ANTHRACOTHORAX** BOIE<sup>1</sup>

*Anthracothonax* Boie, Isis von Oken, 1831, col. 545. Type, by subsequent designation, *Trochilus violicauda* Boddaert = *Trochilus gramineus* Gmelin. (Elliot, Classif. Syn. Trochil., 1879, p. 37.)

cf. Dickey and van Rossem, Field Mus. Nat. Hist. Publ., Zool. Ser., 23, 1938, p. 259-262 (nomenclature).

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 454-473.

Simon, Hist. Nat. Trochil., 1921, p. 38-42; 273-277 (*sub nom.* *Lampornis*).

**Anthracothonax viridigula** (Boddaert)

*Trochilus viridigula* Boddaert, Table Pl. enlum., 1783, p. 41. (Cayenne, based on Daubenton, Pl. enlum, pl. 671, f. 1) imm ♂.

*Trochilus violicauda* Boddaert, Table Pl. enlum., 1783, p. 41. (Cayenne, based on Daubenton, Pl. enlum, pl. 671, f. 2) ♀.<sup>2</sup>

*Trochilus gramineus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 488. (No locality.)

Northeastern Venezuela, the Guianas and northeastern Brazil in State of Pará.

**Anthracothonax prevostii prevostii** (Lesson)

*Trochilus prevostii* Lesson, Hist. Nat. Colibris [1832], p. 87, pl. 24. (South America, locality not known.)

México in states of Tamaulipas, San Luis Potosí, Vera Cruz, Oaxaca, Chiapas, Yucatán; Cozumel Island and islands off the coast of British Honduras; Guatemala; British Honduras; El Salvador (where known only from winter collected specimens on the central plateau).

<sup>1</sup> Replaces *Lampornis* Swainson, Dec. 1827, not of June 1827, of Sharpe's Hand-list.

<sup>2</sup> On the identity of this name cf. Berlepsch, Journ. f. Orn., 32, 1884, p. 309, note.

***Anthracothorax prevostii gracilirostris* Ridgway**

*Anthracothorax prevosti gracilirostris* Ridgway, Proc. Biol. Soc. Wash., 23, 1910, p. 55. (Bolsón, Costa Rica.)

*Anthracothorax prevosti nigrilineatus* Bond, Proc. Acad. Nat. Sci. Phila., 88, 1936, p. 359. (Bonacca Island, Gulf of Honduras.)

Central American lowlands (both slopes) from El Salvador and Honduras (including the Bay Islands) to Costa Rica.

***Anthracothorax prevostii hendersoni* (Cory)**

*Lampornis hendersoni* Cory, Auk, 4, July 1887, p. 177. (Old Providence Island.)<sup>1</sup>

Confined to Old Providence Island in the Caribbean Sea.

***Anthracothorax prevostii pinchoti* Wetmore**

*Anthracothorax violicauda pinchoti* Wetmore, Proc. Biol. Soc. Wash., 43, 1930, p. 7. (St. Andrews Island.)

Confined to St. Andrews Island in the Caribbean Sea.

***Anthracothorax prevostii viridicordatus* Cory.**

*Anthracothorax prevosti viridicordatus* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1913, p. 286. (El Panorama, Río Aurare, Venezuela.)

Caribbean lowlands of northwestern Venezuela.

***Anthracothorax nigricollis nigricollis* (Vieillot)**

*Trochilus nigricollis* Vieillot, Nouv. Dict. Hist. Nat., 7, 1817, p. 349. (Brazil.)<sup>2</sup>

?*Lampornis nigricollis caeruleicauda* Floericke, Mitt. Vogelw., 19, 1920. (?Colombia.)

*Anthracothorax nigricollis miki* Dunajewski, Acta Orn. Mus. Zool. Polon., 2, 1938, p. 324. (Cumaria, Ucayali region, Perú.)<sup>3</sup>

Eastern Panamá and the greater part of tropical South America (including islands of Trinidad and Tobago) to Perú, eastern Bolivia, Paraguay, northeastern Argentina (Misiones) and southern Brazil (Rio Grande do Sul); replaced in western Colombia and western Ecuador by the following race.

***Anthracothorax nigricollis iridescens* (Gould)**

*Lampornis iridescens* Gould, Intro. Trochil., 1861, p. 65. (Guayaquil, Ecuador.)

Arid tropical zone of western Columbia and western Ecuador.

<sup>1</sup> Separately paged reprints issued 27 May 1887.

<sup>2</sup> Replaces *Trochilus violicauda* of authors, not of Boddaert, 1783.

<sup>3</sup> Possibly a valid form, but the constancy of its characters should be confirmed by comparison with a large series of *A. nigricollis* from the entire range of the species.

***Anthracothorax veraguensis* Reichenbach**

*Anthracothorax veraguensis* (Gould) Reichenbach, *Trochil. Enum.*, 1855, p. 9. (Veragua.) Based on *Icon. Av.*, fig. 4848.

*Lampornis veraguensis* Gould, *Monogr. Trochil.*, pt. 15, 1858, pl. [9] and text [= 2, pl. 76 of volume]. (Volcán de Chiriquí.)

Arid tropical zone of the Pacific slope of western Panamá.

***Anthracothorax dominicus dominicus* (Linné)**

*Trochilus dominicus* Linné, *Syst. Nat.*, ed. 12, 1, 1766, p. 191. (Dominica, i.e. Hispaniola.)

Hispaniola and adjacent islands: Tortue, Gonave, Île à Vache, Beata.

***Anthracothorax dominicus aurulentus* (Audebert and Vieillot)**

*Trochilus aurulentus* Audebert and Vieillot, *Ois. Dorés*, 1, 1801, p. 29, 31, pls. 12, 13. (Puerto Rico.)

*Lampornis virginalis* Gould, *Monogr. Trochil.*, pt. 24, Sept. 1861, pl. [10] and text [= 2, pl. 80, of volume]. (St. Thomas, Virgin Islands.)

*Lampornis dominica intermedia* Simon, *Hist. Nat. Trochil.*, 1921, p. 39. (Puerto Rico.)

Puerto Rico, Vieques, Culebra, St. Thomas, St. John and Anegada.

***Anthracothorax viridis* (Audebert and Vieillot)**

*Trochilus viridis* Audebert and Vieillot, *Ois. Dorés*, 1, 1801, p. 34, pl. 15. ("Îles de l'Amerique Septentrionale," = Puerto Rico.)

Island of Puerto Rico,<sup>1</sup> chiefly in the interior.

***Anthracothorax mango* (Linné)**

*Trochilus Mango* Linné, *Syst. Nat.*, ed. 10, 1, 1758, p. 121. (Jamaica.)

Jamaica.

NOTE: The following genus and species is conceded to be a hybrid, *Anthracothorax nigricollis* x *Chrysolampis mosquitus*.

*Crinis* Mulsant and Verreaux, *Hist. Nat. Ois-Mouches*, 1, 1874, p. 178 (subgenus). Type, by monotypy. *Lampornis calosoma* Elliot = *Chrysolampis chlorolaema* Elliot.

*Chrysolampis chlorolaema* Elliot, *Ann. and Mag. Nat. Hist.* (4), 6, 1870, p. 346. (Colombia.)

*Lampornis calosoma* Elliot, *Ibis*, 1872, p. 351. New name for *chlorolaema*.

<sup>1</sup> Salvin, *Cat. Bds. Brit. Mus.*, 16, 1892, p. 100 lists a specimen of this species from St. Thomas; this skin is the basis for the inclusion of that island in the range of *A. viridis* in Sharpe's *Hand-list* and Simon's *Hist. Nat. Trochil.*

GENUS **AVOCETTULA** REICHENBACH

*Avocettula* Reichenbach, Av. Syst. [1849], pl. XXXIX, generic details only, no species. Type, by subsequent designation, *Ornismya avocetta* Less. = *Trochilus recurvirostris* Swainson. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.)

cf. Berlioz, L'Ois et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 15-16. (Range.)

***Avocettula recurvirostris*** (Swainson)

*Trochilus recurvirostris* Swainson, Zool. Illustr., 2, 1821-22 (1822), pl. 105. (Perú; error, Cayenne designated by Berlepsch, Nov. Zool., 15, 1908, p. 264.)

British Guiana, Cayenne and northeastern Brazil (eastern Pará and northern Maranhão); eastern Ecuador (Avila in the valley of the Napo).

GENUS **EULAMPIS** BOIE

*Eulampis* Boie, Isis von Oken, 1831, col. 547. Type, by subsequent designation, *E. aurata* (Audubert) i.e. Gmelin = *Trochilus jugularis* Linné. (Gray, List Gen. Bds., 1840, p. 13.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 477-480.

***Eulampis jugularis*** (Linné)

*Trochilus jugularis* Linné, Syst. Nat., ed. 12, 1, 1766, p. 190. (Cayenne, Surinam; error = Lesser Antilles.)

Lesser Antilles: recorded from Saba, St. Kitts, Nevis, Montserrat, Antigua, Barbuda, Guadeloupe, Dominica, Martinique, St. Lucia, St. Vincent, Bequia, Grenada and Barbados.

GENUS **SERICOTES** REICHENBACH

*Anthracothorax* γ *Sericotes* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 11. Type, by subsequent designation, *Trochilus holosericeus* Linné. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 139.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 473-477.

***Sericotes holosericeus holosericeus*** (Linné)

*Trochilus holosericeus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 120. (America = Lesser Antilles.)

Eastern Puerto Rico, Vieques, Culebra, Culebrita, Virgin Islands; Lesser Antilles to Barbados and the Grenadines.

***Sericotes holosericeus chlorolaemus*** (Gould)

*Eulampis chlorolaemus* Gould, Monogr. Trochil., pt. 14, 1857, pl.

[7] and text [= 2, pl. 84 of volume]. (Caribbean Islands = Grenada, cf. Hartert, Nov. Zool., 5, 1898, p. 520.)

Island of Grenada; recorded by Cory from Tobago apparently without basis.

#### GENUS *CHRYSOLAMPIS* BOIE

*Chrysolampis* Boie, Isis von Oken, 1831, col. 546. Type, by subsequent designation, *Trochilus moschila* [i.e. *mosquitus*] Linné. (Gray, List Gen. Bds. 1840, p. 14.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 44-45; 279-280.

#### *Chrysolampis mosquitus* (Linné)

*Trochilus Mosquitus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 120. ("In Indiis"; error = Surinam by substitution of Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 87, note.)

Northern and eastern South America (including the islands off the northern coast from Aruba to Tobago), from Colombia through Venezuela and the Guianas, to Brazil in states of Pará, Maranhão, Piauí, Ceará, Pernambuco, Bahia, Minas Geraes and Matto Grosso.<sup>1</sup>

NOTE. *Chrysolampis Giglioli* Oustalet, Le Naturaliste, 7, 1885, p. 108. (Colombia) is an artefact, *Chrysolampis mosquitus* + tail of *Florisuga mellivora* according to Hartert, Tierreich, p. 101; head of *Chrysolampis mosquitus* + body of *Florisuga mellivora* according to Simon and Hellmayr, Nov. Zool., 15, 1908, p. 2.

#### GENUS *ORTHORHYNCUS* LACÉPÈDE

*Orthorhyncus* Lacépède, Tabl. Ois., 1799, p. 9. Type, by subsequent designation, *Trochilus cristatus* Linné. (G. R. Gray, List Gen. Bds., 1840, p. 14.)<sup>2</sup>

*Microlyssa* Riley, Auk, 21, 1904, p. 485. New name for *Bellona* Reichenbach, 1852. Type, by original designation, *Trochilus exilis* Gmelin.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 656-665. Simon, Hist. Nat. Trochil., 1921, p. 45-46; 280-281 (*sub nom.* *Microlyssa*).

#### *Orthorhyncus cristatus exilis* (Gmelin)

*Trochilus exilis* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 484. (Guiana, error = St. Kitts, Lesser Antilles, by designation of Cory, Field

<sup>1</sup> I am unable to discover the basis for Ridgway's inclusion of San Pedro, Costa Rica in the range of this species.

<sup>2</sup> Replaces *Bellona* Mulsant and Verreaux, 1866 (not of Reichenbach 1852) of Sharpe's Hand-list.



Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, 1918, p. 305, note.)

Islands east of Puerto Rico, Virgin Islands, and the entire chain of the Lesser Antilles eastward and southward to St. Lucia.

**Orthorhynchus cristatus ornatus** Gould

*Orthorhynchus ornatus* Gould, Monogr. Trochil., pt. 24, 1861, pl. [12] and text [= **4**, pl. 206 of volume]. (Locality unknown = St. Vincent.)

*Bellona Superba* Boucard, Humming Bird, **1**, 1891, p. 43. (St. Vincent.)

Lesser Antilles: St. Vincent.

**Orthorhynchus cristatus cristatus** (Linné)

*Trochilus cristatus* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 121. (America = West Indies *ex* Edwards, pl. 37, *i.e.* Barbados.)

Lesser Antilles: Barbados.

**Orthorhynchus cristatus emigrans** Lawrence

*Orthorhynchus emigrans* Lawrence, Ann. N. Y. Acad. Sci., **1**, 1877, p. 50. (Venezuela = Grenada, Lesser Antilles.)

Lesser Antilles: Union, Mustique, Carriacou, Grenada.

GENUS **KLAIS**<sup>1</sup> REICHENBACH

*Basilinna*  $\beta$  *Klais* Reichenbach, Journ. f. Orn., **1**, 1854, Beil. zu Extrah., p. 13. Type, by monotypy, *Trochilus guimeti* Bourcier. *cf.* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 513-516. Simon, Hist. Nat. Trochil., 1921, p. 47; 281-282 (*sub nom.* Clais).

**Klais guimeti guimeti** (Bourcier)

*Trochilus Guimeti* Bourcier, Rev. Zool., Mar., 1843, p. 72. (Caracas.)

*Trochilus Guimeti* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **6**, 1843, p. 38, pl. 2.<sup>2</sup> (No locality.)

Subtropical zone of Central and South America from Nicaragua through eastern Colombia to eastern Ecuador, east to western Venezuela.

**Klais guimeti pallidiventris** Stolzmann

*Klais guimeti pallidiventris* Stolzmann, Ann. Zool. Mus. Polon. Hist. Nat., **5**, 1926, p. 213. (Huambo, 3700 feet, Perú.)

Subtropical zone of eastern Perú and central Bolivia.

<sup>1</sup> Replaces Clais (emendation) of Sharpe's Hand-list.

<sup>2</sup> The plate is lettered "Le Guimet".

GENUS **ABEILLIA** BONAPARTE

*Abeillia* Bonaparte, Consp. Av., 1, 1850, p. 79. Type, by original designation and monotypy, *Abeillia typica* Bonaparte = *Ornismya abeillei* Lesson and DeLattre.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 516-518.  
Simon, Hist. Nat. Trochil., 1921, p. 47-48, 282 (*sub nom. Baucis* Reichenbach, 1854.)<sup>1</sup>

**Abeillia abeillei abeillei** (Lesson and DeLattre)

*Ornismya Abeillei* Lesson and DeLattre, Rev. Zool., 1839, p. 16.  
(Jalapa, Vera Cruz.)

Humid subtropical (or upper tropical) zone of southeastern México and Central America in Vera Cruz, Chiapas, Guatemala, El Salvador and northern Honduras.

**Abeillia abeillei aurea** Miller and Griscom

*Abeillia abeillei aurea* Miller and Griscom, Am. Mus. Novit., no. 159, 1925, p. 2. (San Rafael del Norte, above 4000 feet, Nicaragua.)

Humid subtropical zone of southern Honduras and northern Nicaragua.

GENUS **STEPHANOXIS** SIMON

*Cephallepis* Loddiges, Proc. Comm. Zool. Soc. London, pt. 1, 1830-31 (1831), p. 12. Type, by subsequent designation, *Trochilus lalandi* Vieillot. Not *Cephallepis* Rafinesque, 1810. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.)

*Cephalolepis* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 61. Emendation of *Cephallepis* Loddiges, not *Cephalolepis* Dumeril and Bibron 1844, nor of Agassiz, 1846.

*Stephanoxis* Simon, Cat. Trochil., 1897, p. 40. New name for *Cephallepis* Loddiges and *Cephalolepis* Cabanis and Heine, both pre-occupied.

*Cephalolepis* M. and W. Berton, An. Sci. Paraguayos (1), no. 1, 1901, p. 55. Emendation.

cf. Simon, Hist. Nat. Trochil., 1921, p. 48, 282.

**Stephanoxis lalandi lalandi** (Vieillot)

*Trochilus Lalandi* Vieillot,<sup>2</sup> Nouv. Dict. Hist. Nat., 23, 1818, p. 427, pl. G 36, f. 3. (Brazil.)

Mountainous parts of Brazil in southeastern Minas Geraes, Espírito Santo, Rio de Janeiro and northeastern São Paulo.

<sup>1</sup> Simon credits the genus *Abeillea* [sic] to Elliott on the grounds that it was but conditionally proposed by Bonaparte.

<sup>2</sup> Often emended to *delalandei*.

**Stephanoxis lalandi loddigesii** (Gould)

*Trochilus Loddigesii* Gould, Proc. Comm. Zool. Soc. London, pt. 1, 1830-31 (1831), p. 12. (Rio Grande.)

*Cephaloepis apirati* M. and W. Bertoni, An. Sci. Paraguayos (1), no. 1, 1901, p. 55. (Alto Paraná, Paraguay.)

Brazil in southern São Paulo, Paraná, Santa Catharina and Rio Grande do Sul; Paraguay; northeastern Argentina in Territory of Misiones.

GENUS **LOPHORNIS** LESSON

*Lophornis* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xxxvij. Type, by subsequent designation, *L. ornata* (L.) Less. Ois. M., pl. 41 = *Trochilus ornatus* Boddaert. (G. R. Gray, List Gen. Bds., 1840, p. 14.)

*Bellatrix* Boie, Isis von Oken, 1831, col. 544. Type, by subsequent designation, *Trochilus ornatus* Boddaert. (Elliot, Classif. Syn. Trochil., 1879, p. 131.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 52-53; 284-285.

**Lophornis ornata** (Boddaert)

*Trochilus ornatus* Boddaert, Table Pl. enlum., 1783, p. 39. (Cayenne, ex Dauberton, pl. 640, f. 3.)

Eastern Venezuela and the Guianas; Island of Trinidad. Attributed to northeastern Brazil but no recent records.

**Lophornis gouldii** (Lesson)

*Ornismya gouldii* Lesson, Les Trochilidéés [1832], p. 103, [1833], pl. 36. (No type locality.)

Northern and central Brazil in states of Matto Grosso, Goyaz, Pará and Maranhão.

**Lophornis magnifica** (Vieillot)

*Trochilus magnificus* Vieillot, Nouv. Dict. Hist. Nat., 7, 1817, p. 367. (Brazil.)

Central and southern Brazil from Bahia to Rio Grande do Sul, west to Goyaz and Matto Grosso.

**Lophornis delattrei lessoni** Simon

*Lophornis (Telamon) Lessoni* Simon, Hist. Nat. Trochil., 1921, p. 53, 285. (Bogotá.) New name for *Lophornis delattrei* Gould and subsequent authors, not *Ornismya delattrei* Lesson.

Pacific slope of Costa Rica (casual?) and Panamá; Central and Eastern Andes of Colombia.

**Lophornis delattrei delattrei** (Lesson)

*Ornismya* (*Lophorinus*) *DeLattrei* Lesson, Rev. Zool., 1839, p. 19.  
(No type locality, but probably from Perú; vide Simon, *antea*,  
p. 285, note.)<sup>1</sup>

Northeastern and central Perú; Bolivia.

**Lophornis stictolopha** Salvin and Elliot

*Lophornis stictolophus* Salvin and Elliot, Ibis, 1873, p. 280. (Antioquia, Colombia.)

Western Venezuela, eastern Colombia and eastern Ecuador.

**?Lophornis melaniae** Floericke

*Lophornis melaniae* Floericke, Mitt. Vogelw., 19, 1920. (Colombia?)

Range not known.<sup>2</sup>

GENUS **POLEMISTRIA** CABANIS AND HEINE

*Polemistria* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 63.

Type, by subsequent designation, *Trochilus verreauxii*. (Elliot, Classif. Syn. Trochil., 1879, p. 131).

*Cosmorhipis* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38.

Type, by original designation, *Lophornis pavoninus* Salvin and Godman.

cf. Simon, Hist. Nat. Trochil., 1921, p. 50-52; 283 (Bellatrix, *Cosmorhipis*).

**Polemistria chalybea verreauxii** (Bourcier and Verreaux)

*Lophornis Verreauxii* Bourcier and E. Verreaux, Rev. et Mag. Zool. (2), 5, 1853, p. 193, pl. 6. (Perú.)

*Lophornis Hauxwelli* Boucard, Gen. Humming Birds, 1895, p. 37. (Nauta, Perú.)

Tropical zone of the Eastern Andes of Colombia and Amazonian Ecuador and Perú; central Bolivia.

**Polemistria chalybea klagesi** (Berlepsch and Hartert)

*Lophornis verreauxi klagesi* Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 89. (Suapuré and La Pricion, Caura River, Venezuela; type from Suapuré.)

Eastern Venezuela.

**Polemistria chalybea chalybea** (Vieillot)

*Trochilus chalybeus* Vieillot, Tabl. Encyc. Méth., Orn., pt. 2, 1823 (1822), p. 574. (Brazil.)

<sup>1</sup> Replaces *Lophornis regulus* Gould, 1855, of Sharpe's Hand-list.

<sup>2</sup> Original description not seen; this supposed species is provisionally referred to *Lophornis*, *sensu strictu*, but may not belong here.

Southeastern Brazil in states of Minas Geraes, Rio de Janeiro, São Paulo and Santa Catharina.

**Polemistria pavonina pavonina** (Salvin and Godman)

*Lophornis pavoninus* Salvin and Godman, Ibis, 1882, p. 81. (Merumé Mountains, British Guiana.)

Mt. Roraima on the Venezuela — British Guiana border and Merumé Mts., British Guiana.

**Polemistria pavonina duidae** (Chapman)

*Lophornis pavoninus duidae* Chapman, Am. Mus. Novit., no. 380, 1929, p. 15. (Mt. Duida, 4700 feet, Venezuela.)

Known only from Mt. Duida, Venezuela.

? GENUS **LITHIOPHANES** SIMON

*Lithiophanes* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38. Type, by original designation, *Lophornis insignibarb* Simon.

cf. Simon, Hist. Nat. Trochil., 1921, p. 52,<sup>1</sup> 284.

?**Lithiophanes insignibarb** (Simon)

*Lophornis insignibarb* Simon, Bull. Soc. Zool. France, 15, 1890, p. 17. (Colombia.)

Known only from the unique type, a Bogotá trade skin. Simon suggests that it may be a hybrid between *Bellatrix* (i.e. *Polemistria*) *verreauxi* and *Lophornis stictolopha* but points out that it does not appear to have just the characters of either.

GENUS **PAPHOSIA** MULSANT, J. AND E. VERREAUX

*Paphosia* Mulsant, Verreaux and Verreaux, Mém. Soc. Imp. Sci. Nat. Cherbourg, 12, 1866, p. 219. (p. 75 of the separately paged reprint, "Essai Classif. Méth. Trochil.") Type, by monotypy, *Ornismya helenae* DeLattre.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 673-676. (*Lophornis helenae* and *L. adorabilis*.)

Simon, Hist. Nat. Trochil., 1921, p. 53-54; 285-286. (*Dialia* and *Paphosia*.)

**Paphosia helenae** (DeLattre)

*Ornismya Helenæ* DeLattre, Rev. Zool., 1843, p. 133 (Vera Paz, Guatemala.)

Humid tropical zone of México, from Vera Cruz and Chiapas southward on the Caribbean slope of Central America to eastern Costa Rica.

<sup>1</sup> Spelled *Litiophana*, p. 52 but original spelling retained p. 284.

**Paphosia adorabilis** (Salvin)

*Lophornis adorabilis* Salvin, Proc. Zool. Soc. London, 1870, p. 207.  
(Bugaba, Chiriquí.)

Central Plateau region and lowlands of southwestern Costa Rica;  
Pacific slope of Chiriquí.

GENUS **POPELAIRIA** REICHENBACH<sup>1</sup>

*Popelairia* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah.,  
p. 12. Type, by monotypy and virtual tautonymy, *Popelairia*  
*tricholopha* Reichenbach = *Trochilus popelairii* DuBus.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 676-681.  
Simon, Hist. Nat. Trochil., 1921, p. 54-56; 286-287. (*Popelairea*  
[sic], *Gouldomyia*, *Mytinia*).

**Popelairia popelairii** (DuBus)

*Trochilus popelairii* DuBus, Esquis. Orn., livr. 2 [1846], pl. 6 and  
text. (Perú.)

Subtropical zone of eastern Colombia, eastern Ecuador and north-  
eastern Perú.

**Popelairia langsdorffi melanosternon** (Gould)

*Gouldia melanosternon* Gould, Ann. and Mag. Nat. Hist. (4), 1, 1868,  
p. 323. (Napo, Ecuador, Pebas and Ucayali, Perú.)

Tropical zone of eastern Ecuador, eastern Perú and western Brazil  
(Rio Madeira and Rio Guaporé).

**Popelairia langsdorffi langsdorffi** (Temminck)

*Trochilus langsdorffi* "Vieill." Temminck, Pl. col., livr. 11, 1821,  
pl. 66, f. 1. (Brazil.)

Eastern Brazil in states of Bahia, Espírito Santo and Rio de Janeiro.

**Popelairia letitiae** (Bourcier and Mulsant)

*Trochilus letitiae* Bourcier and Mulsant, Ann. Sci. Phys. et Nat.  
d'Agric. et d'Ind., Soc. nat. etc., Lyon (2), 4, 1852, p. 143. (Bo-  
livia.)

Bolivia; known from but two specimens, both males.

**Popelairia conversii** (Bourcier and Mulsant)

*Trochilus Conversii* Bourcier and Mulsant, Ann. Sci. Phys. et Nat.  
d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 313, pl. [9]<sup>2</sup>  
(Bogotá.)

<sup>1</sup> *Gouldia* Bonaparte, 1850, the earliest name for this genus, is preoccupied by  
*Gouldia* Adams, 1847.

<sup>2</sup> The plate is lettered "Le Convers".

*Trochilus Conversii* Bourcier, Rev. Zool., Sept. (Nov.), 1846, p. 314, pl. 3. (Bogotá.)

*Popelairia conversii salvini* Zeledón MS, Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 680, note. (Bonilla, Costa Rica.)

Tropical zone of Costa Rica, and Panamá to the Canal Zone; Colombia, western Ecuador.<sup>1</sup>

#### GENUS DISCOSURA<sup>2</sup> BONAPARTE

*Discosura* Bonaparte, Consp. Av., 1, Mar., 1850, p. 84. Type, by subsequent designation, *Trochilus longicaudus* Gmelin. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 57, 287-288 (*sub nom. Discura*).

#### *Discosura longicauda* (Gmelin)

*Trochilus longicaudus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 498. (No type locality; Cayenne designated by Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 89.)

Lower Orinoco Valley in Venezuela; British Guiana; Cayenne; eastern Brazil from Pará to Bahia.

#### GENUS CHLORESTES L. REICHENBACH

*Chlorestes* L. Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extraheft, p. 4, p. 7. Type, by subsequent designation, *Trochilus cyanogenys* Wied. (Cory, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 2, no. 1, 1918, p. 200.)

cf. Griscom and Greenway, Bull. Mus. Comp. Zool., 88, 1941, p. 174-175.

Simon, Hist. Nat. Trochil., 1921, p. 89; 308-309.

#### *Chlorestes notatus notatus* (C. Reichenbach)

*Trochilus notatus* C. Reichenbach, Mag. des Tierr., Erlangen, 1, 1795, p. 129. (Cayenne.)

*Chlorostilbon puruensis* Riley, Proc. Biol. Soc. Wash., 26, 1913, p. 63. (Hyutanihan, Rio Purús, Brazil.)

Islands of Trinidad and Tobago; northern and eastern Venezuela, the Guianas, Amazonian Colombia (?), Ecuador, and Brazil east to the Rio Madeira (?).

<sup>1</sup> *Gouldia conversi aequatorialis* Berlepsch and Taczanowski, 1883, does not appear to be distinguishable.

<sup>2</sup> Replaces *Discura* "Bp" i.e. Reichenbach (emendation) of Sharpe's Handlist.

**Chlorestes notatus cyanogenys** (Wied)

*Trochilus cyanogenys* Wied, Beitr. Naturg. Bras., 4, 1832, p. 70.  
(Brazil.)

Brazil south of the Amazon from the Tapajóz (and perhaps farther west) south to northern Goyaz and east to Pernambuco and Bahia; Rio de Janeiro (?).<sup>1</sup>

NOTE. *Eucephala hypocyanea* (Gould), Proc. Zool. Soc. London, 1860, p. 306. — Brazil, is probably a hybrid between *Hylocharis cyanus* and *Chlorestes notatus*, *vide* Griscom and Greenway, *antea*.

GENUS **CHLOROSTILBON** GOULD<sup>2</sup>

*Chlorostilbon* Gould, Monogr. Trochil., pt. 5, May, 1853, pl. [14] and text [= 5, pl. 355 of volume]. Type, by monotypy, *Chlorostilbon prasinus* Gould, not of authors, = *Trochilus pucherani* Bourcier.

*cf.* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 542-561. Simon, Hist. Nat. Trochil., 1921, p. 57-68; 288-295 (*Panychlora*, *Prasitis*, *Smaragdochrysis*, *Chlorolampis*, *Chlorostilbon*, *Chlóanges*); p. 73-74; 298 (*Riccordia*).

Todd, Ann. Carnegie Mus., 29, 1942, p. 299-305.

**Chlorostilbon prasinus prasinus** (Lesson)

*Ornismya prasina* Lesson, Hist. Nat. Ois.-Mouches [1830], p. 188, pl. 65. (Brazil, error = Cayenne.)

*Chlorostilbon brevicaudatus* Gould, Intro. Trochil., 1861, p. 178. (Cayenne.)

Surinan, Cayenne, lower Amazon valley of Brazil east to Pará.

**Chlorostilbon prasinus subfurcatus** Berlepsch

*Chlorostilbon subfurcatus* Berlepsch, Ibis, 1887, p. 297. (Mt. Roraima, 3500-4000 feet.)

Eastern and southern Venezuela, British Guiana and the Rio Branco region of northwestern Brazil.

**Chlorostilbon prasinus phoeopygus** (Tschudi)

*Trochilus phoeopygus* "Lichtenstein" Tschudi, Arch. Naturg., 10, 1844, Bd. 1, p. 297. (Perú, probably the Chanchamayo Valley.)

<sup>1</sup> I am not sure that it is best to attempt any subdivision of *Chlorestes notatus*; the characters on which Messrs. Griscom and Greenway relied to separate two forms, while constant in the main, are not always diagnostic. Trade skins from Trinidad (this make probably has its origin in eastern Venezuela) are practically indistinguishable from a Rio Tapajóz series, while trade skins from Pernambuco and Bahia are much more like Trinidad and Surinam specimens than they are like *cyanogenys*. Hellmayr has already (Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 393) commented on the more golden green upper parts of Bahia birds.

<sup>2</sup> Includes *Riccordia* Reichenbach, 1854.



*Hylocharis daphne* "Bourcier," Bonaparte, Rev. et Mag. Zool. (2), 6, 1854, p. 255. *Nomen nudum*.

*Chlorostilbon Daphne* "Bourcier," Gould, Intro. Trochil., 1861, p. 177. (Pampas del Sacramento, Perú.)

The upper Amazon and its affluents in eastern Colombia, Ecuador, Perú and Bolivia.

***Chlorostilbon prasinus peruanus* Gould**

*Chlorostilbon Peruanus* Gould, Intro. Trochil., 1861, p. 177. (Perú.) Perú<sup>1</sup> and eastern Bolivia.

***Chlorostilbon vitticeps* (Simon)**

*Prasitis vitticeps* Simon, Rev. Franç. d'Orn., 1, 1910, p. 263. (Napo region, Ecuador.)

Valley of the Río Napo, eastern Ecuador. Uncertain form.

***Chlorostilbon aureo-ventris pucherani* (Bourcier and Mulsant)**

*Chlorostilbon prasinus* of authors, not *Ornismya prasina* Lesson.

*Trochilus Pucherani* Bourcier and Mulsant, Rev. Zool., 1848, p. 271. (Brazil, = Rio de Janeiro by designation of Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 390.)

*Chlorostilbon wiedi* Boucard, Gen. Humming Bds., 1895, p. 120. (Brazil, type a Rio trade skin.)

Eastern Brazil in states of Maranhão, Piauí, Ceará, Bahia, Goyaz, Minas Geraes, Rio de Janeiro, São Paulo and Paraná.

***Chlorostilbon aureo-ventris aureo-ventris* (d'Orbigny and Lafresnaye)**

*Ornismya aureo-ventris* d'Orbigny and Lafresnaye, Syn. Av., in Mag. Zool., 1838, cl. 2, p. 28. (Moxos and Cochabamba, Bolivia.)

*Chlorostilbon aureiventris tucumanus* Simon, Hist. Nat. Trochil., 1921, p. 65, 293. (Southeastern Brazil, Paraguay and Argentina, = Tucumán.)

Bolivia, Paraguay, Matto Grosso, and western Argentina in provinces of Salta, Jujuy, Catamarca, Tucumán, San Luis, Mendoza, Córdoba and Chaco.

***Chlorostilbon aureo-ventris berlepschi* Pinto**

*Chlorostilbon egregius* of authors, not of Heine.

*Chlorostilbon aureoventris berlepschi* Pinto, Rev. Mus. Paulista, 22, 1938, p. 267. (Taquarã, Rio Grande do Sul, ex Berlepsch and Ihering, Zeitschr. gesamt. Orn., 1885, p. 155.)

Rio Grande do Sul, Uruguay, eastern Argentina in provinces of Misiones<sup>2</sup> (?), Entre Ríos and Buenos Aires.

<sup>1</sup> *C. p. peruanus* and *C. p. phaeopygus* clearly belong to the same species, but their ranges in Perú are not worked out.

<sup>2</sup> Not seen, may prove to belong to typical race or to *pucherani*.

**Chlorostilbon canivetii auriceps** (Gould)

*Trochilus* (——?) *auriceps* Gould, in Jardine's Contr. Orn., 1852, p. 137. (México.)<sup>1</sup>

Central and western México in states of Sinaloa, Nayarit, Jalisco, Colima, Guerrero and México.

**Chlorostilbon canivetii canivetii** (Lesson)

*Ornismya canivetii* Lesson, Hist. Nat. Colibris, Suppl. Hist. Nat. Ois.-Mouches [1832], p. 174, 177, pl. 37, 38. (Brazil, error = Jalapa, Vera Cruz, *ex Rev. Zool.*, 1839, p. 15.)

Southeastern México in states of San Luis Potosí, Tamaulipas, Vera Cruz, Puebla, Oaxaca, Chiapas and Yucatán; British Honduras; Guatemala in the northern Vera Paz highlands; islands of Utila, Ruatán and Bonacca.

**Chlorostilbon canivetii forficatus** Ridgway

*Chlorostilbon forficatus* Ridgway, Deser. New Species Bds. Cozumel Id., 1885, p. 3. (Cozumel Island.)<sup>2</sup>

Islands of Holbox, Mujeres and Cozumel, off the coast of Yucatán.

**Chlorostilbon canivetii osberti** Gould

*Chlorostilbon osberti* Gould, Proc. Zool. Soc. London, 1860, p. 309. (Dueñas, Guatemala.)<sup>3</sup>

Central and western Guatemala, El Salvador and Honduras.

**Chlorostilbon canivetii salvini** Cabanis and Heine

*Chlorostilbon Salvini* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 48. (Costa Rica.)

Highlands of Pacific coast regions of Nicaragua and Costa Rica (except the part occupied by the next form).

**Chlorostilbon canivetii assimilis** Lawrence

*Chlorostilbon assimilis* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 7, 1861, p. 292. (Isthmus of Panamá.)

*Chlorostilbon panamensis* Boucard, Gen. Humming Birds, 1895, p. 124, in text. (Panamá.)

Southwestern Costa Rica in the Térraba Valley and the Dota Mtns, and the arid Pacific coast region of Panamá; Pearl Islands.

**Chlorostilbon canivetii caribaeus** Lawrence

*Chlorostilbon caribæus* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 10, 1871, p. 13. (Island of Curaçao.)

<sup>1</sup> The type in the British Museum was taken by Floresi, probably at Bolaños, Jalisco, *cf.* Moore, Condor, 40, 1938, p. 24-25.

<sup>2</sup> Author's separates *ex* Proc. Biol. Soc. Wash., 3, 1885, p. 23, issued in advance.

<sup>3</sup> This name a *nomen nudum* in Ibis, Jan., 1860, p. 40.

*Chlorostilbon caribbeus* [sic] *Lessoni* Simon and Dalmas, *Ornis*, **11**, 1901, p. 212. (Carúpano, Cariaco, Andes of Cumaná and Ciudad Bolívar, Venezuela.)

Islands of Curaçao, Aruba, Bonaire and Trinidad; northeastern Venezuela; Margarita Island.

***Chlorostilbon canivetii nitens* Lawrence**

*Chlorostilbon nitens* Lawrence, *Ann. Lyc. Nat. Hist. N. Y.*, **7**, 1861, p. 305. (Venezuela.)

Guajira Peninsula in Colombia, and Venezuela west and north of the Andes of Mérida.

**?*Chlorostilbon canivetii nanus* Berlepsch and Hartert**

*Chlorostilbon caribaeus nanus* Berlepsch and Hartert, *Nov. Zool.*, **9**, 1902, p. 86. (Caicara, Orinoco River, Venezuela.)<sup>1</sup>

*Prasitis caribæa orinocensis* Simon, *Hist. Nat. Trochil.*, 1921, p. 63, 290. (Ciudad Bolívar and San Fernando de Apuré, Orinoco River, Venezuela.)

Valley of the middle and upper Orinoco and its affluents. Doubtfully distinct from *C. c. caribæus*.

***Chlorostilbon ricordii bracei* (Lawrence)**

*Sporadinus Bracei* Lawrence, *Ann. N. Y. Acad. Sci.*, **1**, 1877, p. 50. (New Providence, Bahama Islands.)

*Riccordia æneoviridis* Palmer and Riley, *Proc. Biol. Soc. Wash.*, **15**, 1902, p. 34. (Abaco, Bahama Islands.)

Bahama Islands.

***Chlorostilbon ricordii ricordii* (Gervais)**

*Ornismya Ricordii* Gervais, *Mag. Zool.*, 1835, cl. 2, pls. 41, 42. (Santiago, Cuba.)

Cuba and the Isle of Pines.

***Chlorostilbon swainsonii* (Lesson)**

*Ornismya Swainsonii* Lesson, *Hist. Nat. Ois.-Mouches* [1829], p. xvij; [1830], p. 197, pl. 70. (Brazil, error = Hispaniola.)

Island of Hispaniola; Gonave Island.

***Chlorostilbon maugæus* (Audebert and Vieillot)**

*Trochilus Maugæus* Audebert and Vieillot, *Ois. Dorés*, **1**, 1801, p. 77, 79, pls. 37, 38. (Puerto Rico.)

Island of Puerto Rico.

<sup>1</sup> Erroneously cited in the synonymy of *C. prasinus subfurcatus* by Simon, cf. Hartert, *Nov. Zool.*, **29**, 1922, p. 406.

**Chlorostilbon russatus** (Salvin and Godman)

*Panychlora russata* Salvin and Godman, Ibis, 1881, p. 587. (Ma-naure, San Sebastian and San José, Santa Marta, Colombia.)

Northern Colombia in the lower Magdalena Valley and the Santa Marta region.

**Chlorostilbon gibsoni gibsoni** (Fraser)

*Trochilus Gibsoni* Loddiges MSS Fraser, Proc. Zool. Soc. London, pt. 8, 1840, p. 17. (No locality; Chicoral, upper Magdalena Valley, Colombia, designated by Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 290.)

*Chlorostilbon speciosa* Boucard, Humming Bird, 2, 1892, p. 79. (Bogotá, Colombia.)

Andes of Bogotá (trade skins), upper Magdalena Valley and tributary valleys of the Central Andes.

**Chlorostilbon gibsoni chrysogaster** (Bourcier)<sup>1</sup>

*Trochilus chrysogaster* Bourcier, Rev. Zool., April, 1843, p. 101. (Carthagena, Colombia.)

*Trochilus Chrysogaster* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 40. (Carthagena, Colombia.)

Caribbean littoral of northern Colombia from Cartagena to Santa Marta.

**Chlorostilbon gibsoni pumilus** Gould

*Chlorostilbon pumilus* Gould, Ann. and Mag. Nat. Hist. (4), 9, 1872, p. 195. (Citado and Pallatanga, Ecuador.)

*Prasitis melanorrhynchus perviridis* Simon, Hist. Nat. Trochil., 1921, p. 63, 290. (Atuncela, Río Zapata and Juntas, Colombia.)

Arid and semi-arid tropical and sub-tropical zones of western Colombia and western Ecuador.

**Chlorostilbon gibsoni melanorrhynchus** Gould

*Chlorostilbon melanorrhynchus* Gould, Proc. Zool. Soc. London, 1860, p. 308. (Vicinity of Quito, Ecuador.)

Temperate zone of Ecuador northward into Colombia.

**?Chlorostilbon inexpectatus** (Berlepsch)

*Panychlora inexpectata* Berlepsch, Orn. Centralbl., 4, April, 1879, p. 63. (Bogotá.)

<sup>1</sup> Replaces *Chlorostilbon haeberlini* (Reichenbach), 1855, of Sharpe's Hand-list.

*Panychlora* (sive *Chlorostilbon*) *inexpectata* [sic] Berlepsch, Journ. f. Orn., 27, after April, 1879, p. 209. (Bogotá, Colombia.)

Unique; status uncertain.<sup>1</sup>

***Chlorostilbon stenura stenura* (Cabanis and Heine)**

*Panychlora stenura* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 50, note 7. (Mérida.)

Andes of Mérida, Venezuela; Colombia in provinces of Santander (Ocaña) and Antioquia; recorded <sup>2</sup> from Baeza, Ecuador on the basis of two females.

***Chlorostilbon stenura ignota* Todd**

*Chlorostilbon stenurus ignotus* Todd, Ann. Carnegie Mus., 39, 1942, p. 305. (Cumbre de Valencia, Carabobo, Venezuela.)

Coast range of Venezuela west of Lake Valencia and southward in the highlands to the extreme southern part of the State of Lara.

***Chlorostilbon alicé* (Bourcier and Mulsant)**

*Trochilus Alicé* Bourcier and Mulsant, Rev. Zool., 1848, p. 274. (Caracas.)

Coastal ranges of Venezuela: Cordillera of Cumaná from near Caracas west to Rancho Grande.<sup>3</sup>

***Chlorostilbon poortmani* <sup>4</sup> (Bourcier)**

*Ornismya poortmani* Bourcier, Rev. Zool., Jan., 1843, p. 2. (Colombia.)

*Ornismya Poortmanni* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 39. (No locality.)

Colombia: upper margin of the tropical zone of the eastern slope of the Eastern Andes; Río Meta; Bogotá (trade skins), Chinivaque, Boca del Monte, La Colorada.

<sup>1</sup> The type is perhaps only an abnormal or altered example of *poortmanni*, *vide* Simon.

<sup>2</sup> Oberholser, Proc. U. S. Nat. Mus., 24, 1902, p. 318.

<sup>3</sup> Simon sets up *Panychlora micans* Salvin, 1891, based on an old taken down mount in the Gould collection, as a "local or accidental form" of *C. alicé*; no range is assigned.

<sup>4</sup> There can be little doubt that this is the specific name for a group of which *euchloris*, *alicé* and *stenura* are but representative forms. Unfortunately their ranges are more or less imperfectly known and in places seem to overlap, due in part to probable error or confusion, and to the fact that both *poortmanni* and *euchloris* occur in Bogotá collections. Until the ranges of these forms can be worked out in more detail I rate them as specifically distinct, a treatment that will subsequently prove to be erroneous.

**Chlorostilbon euchloris** (Reichenbach)

*Chlorestes Euchloris* Reichenbach, Journ. f. Orn., 1, Beil. zu. Extrah., 1854, p. 23. (Northern Perú, error = Colombia?)

Colombia: Bucaramanga, Prov. of Santander (type of *Chlorostilbon p. major* Berlepsch 1884); Bogotá (trade skins), Pueblo Nuevo, Ocaña, Peña Blanca.

**?Chlorostilbon auratus** (Cabanis and Heine)

*Panychlora aurata* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 50. (Perú.)

Perú?<sup>1</sup>

## NOTE:

*Calliphlox? iridescens* Gould, Proc. Zool. Soc. London, 1860, p. 310. (Nova Friburgo, Rio de Janeiro, Brazil.)

*Smaragdochrysis* Gould, Monogr. Trochil., pt. 24, Sept., 1861, pl. [13] and text [= 5, pl. 359 of volume]. Type by monotypy, *Calliphlox iridescens* Gould.

Known only from the unique type, which according to Butler, Ibis, 1931, p. 347-348 is probably a hybrid, *Calliphlox amethystina* x "*Chlorostilbon prasinus*" [i.e. *Chlorostilbon aureoventris pucherani*].

GENUS **CYNANTHUS** SWAINSON

*Cynanthus* Swainson, Philos. Mag. (n.s.), 1, June, 1827, p. 441. (Not *Cynanthus* Swainson, Zool. Journ., 3, Aug.-Nov., 1827, p. 357.) Type, by subsequent designation, *Cynanthus latirostris* Swainson. (Stone, Auk, 24, 1907, p. 192).<sup>2</sup>

*Amizilis* "Less." G. R. Gray, List Gen. Bds., 1840, p. 14. Type, by original designation, *A. latirostris* (Sw.) = *Cynanthus latirostris* Swainson.

*Circe* Gould, Monogr. Trochil., pt. 13, May, 1857, pl. [7] and text [= 5, pl. 338 of volume]. Type, by tautonymy, *Trochilus circe* Bonaparte = *Cynanthus latirostris* Swainson. Not *Circe* Mertens MS. J. F. Brandt, 1835, Hydrozoa, nor of Schumacher, 1817, Mollusca.

*Iache* Elliot, Classif. Syn. Trochil., 1879, p. xii, 234. New name for *Circe* Gould, preoccupied.

*Cyanolampis* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38. Type, by original designation, *Trochilus doubledayi* Bourcier.

<sup>1</sup> This name was resurrected from synonymy by Simon who never saw the type, but identified by him as a related form of *poortmani* and *euchloris* that might possibly exist in Perú!

<sup>2</sup> Replaces *Phaeoptila* Gould, 1861, of Sharpe's Hand-list.

cf. Moore, Proc. Biol. Soc. Wash., 52, 1939, p. 57-60.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 366-377.

**Cynanthus sordidus** (Gould)

*Cyanomyia* (?) *sordida* Gould, Ann. and Mag. Nat. Hist. (3), 4, 1859, p. 97. (Oaxaca, México.)

Western and southern México in states of Sonora, Jalisco, Guerrero, Morelos, Puebla and Oaxaca.

**Cynanthus latirostris magicus** (Mulsant and Verreaux)

*Hylocharis magica* Mulsant and J. Verreaux, Ann. Soc. Linn. Lyon (n.s.), 18, 1872, p. 110. (Mazatlan "Basse Californie." i.e. Sinaloa.)

Southwestern United States in the mountains of southern Arizona and southwestern New Mexico, south to Nayarit, Chihuahua and Durango.

**Cynanthus latirostris latirostris** Swainson

*Cynanthus latirostris* Swainson, Philos. Mag. (n.s.), 1, 1827, p. 441. (Tableland of México; probably does not occur there. Valley of México near México City, designated as type locality by Moore, *antea*, p. 59.)

East-central México from San Luis Potosí and Tamaulipas to the Valley of México and northern Vera Cruz.

**Cynanthus latirostris propinquus** Moore

*Cynanthus latirostris propinquus* Moore, Proc. Biol. Soc. Wash., 52, 1939, p. 57. (Five miles northeast of Irapuato, 5600 feet, Guanajuato, México.)

Central México in Guanajuato and northern Michoacán.

**Cynanthus latirostris toroi** (Berlioz)

*Iache latirostris Toroi* Berlioz, Bull. Mus. Nat. Hist. Nat. Paris (2), 9, 1937, p. 171. (La Estancita, Guerrero.)

Western México in State of Guerrero (La Estancita).

**Cynanthus latirostris doubledayi** (Bourcier)

*Trochilus Doubledayi* Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 46. (Presumably from the Rio Negro, error = Guerrero.)

Western México in states of Guerrero, Oaxaca and Chiapas.

**Cynanthus latirostris lawrencei** (Berlepsch)

*Iache lawrencei* Berlepsch, Ibis, 1887, p. 292. (Tres Mariás Islands.)

Islands of Maria Madre and Cleofa of the Tres Mariás group, off the west coast of México.

GENUS **PTOCHOPTERA** ELLIOT

*Ptochoptera* Elliot, Ibis, 1874, p. 261. Type, by monotypy, *Chlorestes Ricordia iolaimus* Reichenbach.

cf. Simon, Hist. Nat. Trochil., 1921, p. 73, 297.

**Ptochoptera iolaima** (Reichenbach)

*Chlorestes* ♂ *Riccordia iolaimus* (Natt.) Reichenbach, Trochil. Enum., 1855, p. 4, based on Icon. Av., pl. 705, ff. 4588-4589. (Brazil.)

Known only from the unique type in the Vienna Museum, collected by Natterer at Ypanema, São Paulo, Brazil.<sup>1</sup>

GENUS **CYANOPHAIA** REICHENBACH

*Hylocharis* β *Cyanophaia* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by subsequent designation, *Trochilus bicolor* Linn. [i.e. Gmelin]. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 142.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1917, p. 526-530 (*C. bicolor* only).

**Cyanophaia bicolor** (Gmelin)

*Trochilus bicolor* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 496. (Guadeloupe.)

*Thalurania belli* Verrill, Descriptions of three new species of birds from Dominica, B. W. I., no date [= 24 Oct. 1905], p. [1]. (Higher mountains of Dominica.)

Islands of Guadeloupe (?), Dominica and Martinique, Lesser Antilles.

GENUS **THALURANIA** GOULD

*Thalurania* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 13. Type, by subsequent designation, *Trochilus furcatus* Gmelin. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 21.)

*Timolia* Mulsant, Ann. Soc. Linn. Lyon, Ann. 1875, n.s., 22, 1876, p. 219. Type, by monotypy, *Thalurania lerchi* Mulsant and Verreaux (proposed as a subgenus).

*Chlorostola* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38. Type, by original designation, *Trochilus glaucopsis* Gmelin. (Not *Chlorostola* Hampson, 1898, Lepidoptera.)

*Chlorurania* Simon, Rev. Franc. d'Orn., 6, 1919, p. 53. Type, by original designation, *Trochilus glaucopsis* Gmelin.

<sup>1</sup> According to Berlioz (Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 16-17) this is probably a hybrid between *Calliphlox amethystina* and another species whose identity is not known.



- cf. Berlioz, Bull. Mus. Nat. Hist. Nat. Paris (2), **2**, 1930, p. 65-69.  
Berlioz, Ois. et Rev. Franç. d'Orn. (n.s.), **1**, 1931, p. 402-415.  
Griscom, Bull. Mus. Comp. Zool., **72**, 1932, p. 334-337.  
Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **12**, 1929, p. 391-393.  
Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 530-537.  
Todd, Ann. Carnegie Mus., **29**, 1942, p. 309-313.

**Thalurania furcata ridgwayi** Nelson

*Thalurania ridgwayi* Nelson, Auk, **17**, 1900, p. 262. (San Sebastian, Jalisco, México.)

Known only from the unique type from the "island" of humid, tropical forest in western Jalisco.

**Thalurania furcata townsendi** Ridgway

*Thalurania townsendi* Ridgway, Proc. U. S. Nat. Mus., **10**, 1888, p. 590. (Segovia River, Honduras.)

Humid tropical zone of Central America from eastern Guatemala to southeastern Honduras.

**Thalurania furcata venusta** (Gould)

*Trochilus (Thalurania) venusta* Gould, Proc. Zool. Soc. London, pt. 18, 1850 (1851), p. 163. (Volcán de Chiriquí, Panamá.)

Humid tropical zone of Nicaragua, Costa Rica and western Panamá.

**Thalurania furcata subtropicalis** Griscom

*Thalurania colombica subtropicalis* Griscom, Bull. Mus. Comp. Zool., **72**, 1932, p. 337. (Cali, 5000 feet, Cauca Valley, Colombia.)

Subtropical zone of Darien and both slopes of the Western Andes of Colombia.

**Thalurania furcata fannyi** (DeLattre and Bourcier)

*Trochilus Fannyi* DeLattre and Bourcier, Rev. Zool., 1846, p. 310. (Río Dagua, near Buenaventura, Colombia.)

Tropical zone, both slopes, of Darien, and the Atrato Valley and Pacific slope of the Western Andes of Colombia south to Buenavista.

**Thalurania furcata colombica** (Bourcier)

*Ornismya colombica* Bourcier, Rev. Zool., 1843, p. 2. (Colombia; San Agustín, Magdalena Valley, Colombia, suggested by Griscom, *supra*, p. 335.)

*Thalurania colombica insulicola* Griscom, Bull. Mus. Comp. Zool., **72**, 1932, p. 335. (San Miguel, Pearl Islands, Bay of Panamá! error = San Miguel, 5000 feet, Santa Marta, Colombia!)

Subtropical zone of northern Colombia (upper Magdalena Valley, Santa Marta region, Bogotá trade skins) and adjacent parts of western Venezuela.

***Thalurania furcata verticeps* (Gould)**

*Trochilus* (*Thalurania*) *verticeps* Gould, in Jardine's Contr. Orn., 1851, p. 79, pl. 71. (Quito.)

Subtropical zone of the Western Andes of southern Colombia and Andes of northern Ecuador (Quito trade skins).

***Thalurania furcata hypochlora* Gould**

*Thalurania hypochlora* Gould, Proc. Zool. Soc. London, 1870 (1871), p. 804. (Citado, Ecuador.)

Tropical zone of western Ecuador.

***Thalurania furcata nigrofasciata* (Gould)**

*Trochilus* (——?) *nigrofasciata* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 89. (Rio Negro, Brazil.)

*Thalurania tschudii* "Gould MS." Sclater, Proc. Zool. Soc. London, pt. 26, 1858 (1859), p. 460. (Gualaquiza and Zamora, Ecuador.)

Tropical zone of Amazonian Colombia, Ecuador and the upper Rio Negro region in northwestern Brazil.

***Thalurania furcata taczanowskii* Dunajewski**

*Thalurania taczanowskii* Dunajewski, Acta Orn. Mus. Zool. Polon., 2, 1938, p. 322. (Achamal, Huambo River, Perú.)

Northeastern Perú north of the Chanchamayo.

***Thalurania furcata jelskii* Taczanowski**

*Thalurania tschudii* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 312. (Rio Ucayali, Perú.) Not *Thalurania tschudii* Sclater, 1859.

*Thalurania jelskii* Taczanowski, Proc. Zool. Soc. London, 1874, p. 138. (Soriano, Chanchamayo Valley, Perú.)

Tropical zone of eastern Perú south of the Chanchamayo.

***Thalurania furcata boliviana* Boucard**

*Thalurania boliviana* Boucard, Gen. Humming Birds, 1895, p. 107. (Bolivia.)

Tropical zone (?) of northeastern Bolivia (eastern slopes of the Andes only).

***Thalurania furcata simoni* Hellmayr**

*Thalurania simoni* Hellmayr, Bull. Brit. Orn. Cl., 19, 1906, p. 8. (Teffé, Rio Solimoes.)

Western Brazil on the Rio Solimoes (Teffé; São Paulo de Olivença).

***Thalurania furcata orenocensis* Hellmayr**

*Thalurania furcata orenocensis* Hellmayr, Anz. Orn. Ges. Bayern, no. 4, 1921, p. 32. (Nericagua, upper Orinoco River, Venezuela.)

Upper Orinoco River region of Venezuela ranging upward to the subtropical zone on Mt. Duida.

***Thalurania furcata fissilis* Berlepsch and Hartert**

*Thalurania furcata fissilis* Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 87. (Caura River, Venezuela.)

Eastern Venezuela in the valley of the Caura and the lower Orinoco, extending eastward to Mt. Auyan-tepui and Mt. Roraima.

***Thalurania furcata refulgens* Gould**

*Thalurania refulgens* Gould, Proc. Zool. Soc. London, pt. 20, 1852 (1853), p. 9. (Type locality unknown.)

Northeastern Venezuela on the Sierra de Cumaná and the Paria Peninsula.

***Thalurania furcata furcata* (Gmelin)**

*Trochilus furcatus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 486. (Jamaica, Brazil and Cayenne = Cayenne.)

The Guianas: extent of range in Brazil not known, but probably to the north bank of the lower Amazon.

***Thalurania furcata furcatoides* Gould**

*Thalurania furcatoides* Gould, Intro. Trochil., 1861, p. 77. (Pará and the lower Amazon.)

*Thalurania furcata intermedia* Snethlage, Orn. Monatsb., 15, 1907, p. 163. (Arumatheua,<sup>1</sup> left bank of the lower Tocantins.)

Northeastern Brazil south of the Amazon from the right bank of the Tapajóz to Pará, and extending eastward into Maranhão.

***Thalurania furcata balzani* Simon**

*Thalurania balzani* Simon, Nov. Zool., 3, 1896, p. 259. (Yungas, Bolivia.)

Western Brazil south of the Amazon eastward to the left bank of the Tapajóz and westward into the Yungas of Bolivia.<sup>2</sup>

***Thalurania furcata baeri* Hellmayr**

*Thalurania eriphile baeri* Hellmayr, Bull. Brit. Orn. Cl., 21, 1907, p. 27. (Goyaz, Goyaz, Brazil.)

Northeast-central Brazil on the Rio Alto Parnahyba and in states of Piahy, Ceará, Goyaz, Matto Grosso and eastern Bahia; southeastern Bolivia.

<sup>1</sup> Pinto, Rev. Mus. Paulista, 22, 1937, p. 270, gives the locality as Cametá.

<sup>2</sup> But see Bond and deSchauensee, Proc. Acad. Nat. Sci. Phila., 95, 1943, p. 204.

***Thalurania furcata eriphile* (Lesson)**

*Ornismya eriphile* Lesson, Hist. Nat. Colibris, Suppl. Hist. Nat. Ois-Mouches [1832], p. 148, pl. 25. (Brazil.)

*Chlorostilbon cyanothorax* M. and W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 59. (Djaguarasapá, lat. 26°, 23' S., Paraguay.)

Eastern and southeastern Brazil from Minas Geraes and southern Bahia to São Paulo; Paraguay; Misiones (?).

***Thalurania watertonii* (Bourcier)**

*Trochilus Watertonii* Bourcier (*ex* Loddiges MS.), Proc. Zool. Soc. London, pt. 15, May, 1847, p. 44. (Miribi Creek, 40 miles from the Essequibo River, British Guiana, error?)

*Trochilus Watertonii* Bourcier (*ex* Loddiges MS.), Rev. Zool., August, 1847, p. 256. (Same type locality.)

British Guiana (where known only from the type); coastal region of eastern Brazil from Pará to Bahia.

***Thalurania glaucopsis* (Gmelin)**

*Trochilus glaucopsis* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 497. (Brazil.)

*Rhamphomicron Melchtalianur* W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 62. (Puerto Bertoni, Paraguay.)

Eastern and southern Brazil in the states of Bahia, Minas Geraes, Espírito Santo, Rio de Janeiro, São Paulo, Paraná, Santa Catharina and Rio Grande do Sul; Uruguay; Paraguay; Misiones.

**?*Thalurania lerchi* Mulsant and J. Verreaux<sup>1</sup>**

*Talurania* [sic] *Lerchi* Mulsant and Verreaux, Ann. Soc. Linn. Lyon, Ann. 1870-71, n.s., 18, 1872, p. 108. (Colombia.)

*Agyrtia tenebrosa* Hartert, Bull. Brit. Orn. Cl., 10, 1899, p. xv. (Bogotá, Colombia.)

Known only from Bogota trade skins.

NOTE. The following species placed by Sharpe in *Thalurania* and by Simon in *Timolia* are almost certainly hybrids.

*Eucephala scapulata* Gould, Intr. Trochil., 1861, p. 166. ("Supposed to be Cayenne"; according to Simon and Hellmayr, Nov. Zool., 15, 1908, p. 7, the unique type is of Cayenne make and comes from Oyapoc.) Is a hybrid, *Chlorestes caeruleus* x *Thalurania furcata*. Cf. Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), 2, 1932, p. 531-532.

<sup>1</sup> I retain this species in *Thalurania* provisionally. Berlioz, Ibis, 1937, p. 107-108 believes it may possibly be a hybrid between *Chrysuronia oenone* and *Thalurania nigrofasciata* basing his belief on a specimen of this assumed hybrid origin that recalls the various descriptions and figures of *Thalurania lerchi*.

*Eucephala cæruleo-lavata* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 306. (São Paulo, Brazil; the type is of Rio make, *fide* Simon and Hellmayr, *supra*). Known only from the unique type in the British Museum; its affinities are not clear. Col. pl., Gould, Monogr. Trochil., pt. 22, July 1861, pl. [10] and text [= 5, pl. 333 of volume].

The following species is included by Sharpe in *Thalurania* and by Simon in *Augasma*.

*Augasma chlorophana* Simon, Cat. Trochil., 1897, p. 20, note. (The type is of Bahia make, *fide* Simon and Hellmayr, *supra*.) Simon and Hellmayr believe that it is not impossible that this species is the ♀ of *Augasma smaragdinea* Gould, a species that Berlioz (*in litt.*) considers of possible hybrid origin.

The following species placed in *Augasma* by both Sharpe and Simon.

*Augasma smaragdineum* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 305. (Nova Friburgo, Rio de Janeiro.) Is known from five males, — the type in the British Museum and four Bahia skins, one in the British Museum, one in the Berlepsch collection and two in the Simon collection. Berlioz (*in litt.*) believes them possible hybrids (see also Pinto, Rev. Mus. Paulista, 22, 1938, p. 268, note 2.)

The following species placed by Sharpe in *Saucerottia* and by Simon in *Timolia*.

*Hylocharis Chlorocephalus* Bourcier, Rev. et Mag. Zool. (2), 6, 1854, p. 457. (Guaranda, Ecuador; error, the type is of Rio make, *fide* Simon and Hellmayr, *antea*, p. 8.) Known only from the unique type in the British Museum; its affinities are uncertain.

#### GENUS NEOLESBIA SALVIN

*Neolesbia* Salvin, Cat. Bds. Brit. Mus., 16, 1892, p. 115 (in key), p. 145. Type, by original designation and monotypy, *Cyanolesbia nehrkorni* Berlepsch.

*cf.* Simon, Hist. Nat. Trochil., 1921, p. 84–85; 306.

#### *Neolesbia nehrkorni* (Berlepsch)

*Cyanolesbia nehrkorni* Berlepsch, Journ. f. Orn., 35, 1887, p. 326. (Bogotá, Colombia.)

Known only from the type, and one other skin in the Nehr Korn collection.

#### GENUS PANTERPE CABANIS AND HEINE

*Panterpe* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 43, note.

Type, by original designation and monotypy, *Panterpe insignis* Cabanis and Heine.

*cf.* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 511–513.

**Panterpe insignis** Cabanis and Heine

*Panterpe insignis* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 43, note. (Costa Rica.)

Highlands of Costa Rica and western Panamá, chiefly above 6000 feet.

GENUS **DAMOPHILA** REICHENBACH

*Coeligena*  $\beta$  *Damophila* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 7. Type, by subsequent designation, *T. julie* Bourcier = *Ornismya julie* Bourcier. (Elliot, Classif. Syn. Trochil., 1879, p. 233.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 518-522. Simon, Hist. Nat. Trochil., 1921, p. 89-90; 310 (*sub nom. Juliamyia* Bonaparte).

**Damophila julie panamensis** Berlepsch

*Damophila panamensis* Berlepsch, Journ. f. Orn., 32, 1884, p. 312. (Panamá and Veraguas.)

Tropical Zone of the Pacific slope of western Panamá; Canal Zone; both slopes of Darién.<sup>1</sup>

**Damophila julie julie** (Bourcier)

*Ornismya julie* Bourcier, Rev. Zool., Dec. 1842, p. 373. (Tunja, Colombia.)

*Ornismya Julix* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 5, 1842 (1843), p. 345, pl. 21.<sup>2</sup> (Tunja, Colombia.)

Tropical zone of northern Colombia east to Santa Marta; Bogotá (trade skins); Magdalena Valley.

**Damophila julie felicianana** (Lesson)

*Ornismya Felicianana* Lesson, Rev. Zool., 1844, p. 433. (Guayaquil, Ecuador.)

Tropical zone of western Ecuador.

GENUS **LEPIDOPYGA** REICHENBACH

*Agyrtria*  $\gamma$  *Lepidopyga* Reichenbach, Trochil. Enum., 1855, p. 7.

Type, by subsequent designation, *Trochilus goudoti* Bourcier. (Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 537.)<sup>3</sup>

<sup>1</sup> Doubtfully attributed to Costa Rica; Mr. Ludlow Griscom informs me that the specimen from Chiriquí, referred to *D. j. julie* by Ridgway, is an aberration of the present form.

<sup>2</sup> The plate is lettered "Le Julie".

<sup>3</sup> While this generic name has been nearly universally employed for the group of forms with which it is here used, I cannot discover that the type was formally fixed until Ridgway did so.

cf. Griscom, Bull. Mus. Comp. Zoöl., **72**, 1932, p. 333-334.  
 Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 537-540  
 (excl. *boucardi*).

Todd, Ann. Carnegie Mus., **29**, 1942, p. 307-309.

**Lepidopyga coeruleogularis coeruleogularis** (Gould)

*Trochilus* (———?) *caeruleogularis* Gould, Proc. Zool. Soc. London,  
 pt. 18, 1850 (1851), p. 163. (David, Chiriquí, Panamá.)

*Trochilus Duchassaini* Bourcier, Compt. Rend. Acad. Sci. Paris,  
**32**, 1851, p. 187. ("Les bois entre la Gorgone et Panama.")

Pacific slope of western Panamá from Chiriquí to the Canal Zone.

**Lepidopyga coeruleogularis confinis** Griscom

*Lepidopyga caeruleogularis confinis* Griscom, Bull. Mus. Comp.  
 Zoöl., **72**, 1932, p. 333. (Permé, Panamá.)

Caribbean slope of Darien and adjacent part of northwestern  
 Colombia.

**Lepidopyga coeruleogularis lilliae** Stone

*Lepidopyga lilliae* Stone, Proc. Acad. Nat. Sci. Phila., **69**, 1917,  
 p. 204. (Punto Caimán, Santa Marta, Colombia.)

Caribbean coast of Colombia between the Magdalena River and the  
 Ciénaga Grande.

**Lepidopyga coeruleogularis coelina** (Bourcier)

*Thalucrania* [sic] *Celina* Bourcier, Rev. et Mag. Zool. (2), **8**, 1856,  
 p. 553. (Santa Marta, Colombia.)

Lowlands of the Santa Marta region of Colombia east of the  
 Ciénaga Grande.

**Lepidopyga goudoti goudoti** (Bourcier)

*Trochilus Goudoti* Bourcier, Rev. Zool., Apr., 1843, p. 100. (Ibagué,  
 Colombia.)

*Trochilus Goudoti* Bourcier and Mulsant, Ann. Sci. Phys. et Nat.  
 d'Agric. et d'Ind., Soc. roy. etc., Lyon, **6**, 1843, p. 47. (Ybagné  
 [sic], Colombia.)

Tropical zone of the upper Magdalena valley in Colombia.

**?Lepidopyga goudoti zuliae** Cory

*Lepidopyga goudoti zuliae* Cory, Field Mus. Nat. Hist. Publ., Zool.  
 Ser., **13**, 1918, p. 182, note. (Río Aurare, Venezuela.)

Known only from the type locality, northwest of Lake Maracaibo.

**Lepidopyga luminosa luminosa** (Lawrence)

*Sapphironia luminosa* Lawrence, Ann. Lyc. Nat. Hist. N. Y., **7**,  
 1862, p. 458. (Barranquilla, Colombia.)

Northern Colombia from the Atrato valley to the Santa Marta region and the Río César valley.

***Lepidopyga luminosa phaeochroa* Todd**

*Lepidopyga luminosa phaeochroa* Todd, Ann. Carnegie Mus., 29, 1942, p. 308. (Santa Elena, Mérida, Venezuela.)

Maracaibo region, Venezuela.

GENUS **HYLOCHARIS** BOIE

*Hylocharis* Boie, Isis von Oken, 1831, col. 546. Type, by subsequent designation, *H. sapphirina* (Gm.) Boie = *Trochilus sapphirinus* Gmelin. (G. R. Gray, List Gen. Bds., 1840, p. 14.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 377-386.  
Simon, Hist. Nat. Trochil., 1921, p. 90-94; 310-313.

SUBGENUS **BASILINNA** BOIE

*Basilinna* Boie, Isis von Oken, 1831, col. 546. Type, by subsequent designation, *Trochilus leucotis* Vieillot. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.)

***Hylocharis xantusii* (Lawrence)**

*Amazilia Xantusii* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 7, 1860, p. 109. (Cape San Lucas, Baja California.)

Southern Baja California; most numerous in the Cape region, casually north to lat. 29° N.

***Hylocharis leucotis borealis* Griscom**

*Hylocharis leucotis borealis* Griscom, Am. Mus. Novit., no. 379, 1929, p. 10. (Pinos Altos, Chihuahua.)

Northern México in states of Sonora, Chihuahua and Tamaulipas; casual in mountains of southeastern Arizona.

***Hylocharis leucotis leucotis* (Vieillot)**

*Trochilus leucotis* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 428. (Brazil, error, Orizaba, Vera Cruz designated as type locality by Griscom, *supra*.<sup>1</sup>)

*Trochilus Xicotencal* de la Llave, Registro Trimestre, 2, 1833, p. 48. (México.)

Central and southern México (chiefly in the pine forests) from

<sup>1</sup> Simon, *tom. cit.* p. 313, note 1, proposes to discard Vieillot's name on the grounds that the description does not apply to the species for which it is used, and substitutes *Trochilus melanotis* Swainson. I cannot follow this; outside of the erroneous type locality, Vieillot's characterization of *Trochilus leucotis* applies to the White-eared Hummingbird



Sinaloa,<sup>1</sup> San Luis Potosí and Vera Cruz south to Chiapas and the highlands of Guatemala.

**Hylocharis leucotis pygmaea** (Simon and Hellmayr)

*Basilinna leucotis pygmaea* Simon and Hellmayr, Nov. Zool., **15**, 1908, p. 12. (Matagalpa, Nicaragua.)

Highlands of El Salvador, Honduras and Nicaragua.

SUBGENUS **HYLOCHARIS** BOIE

**Hylocharis eliciae** (Bourcier and Mulsant)

*Trochilus Eliciae* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy., etc., Lyon, **9**, 1846, p. 314. (Type locality unknown.)<sup>2</sup>

Extreme southern México in State of Chiapas, and Central America from Guatemala to western Panamá; in Costa Rica and Panamá restricted to the Pacific slope.

**Hylocharis sapphirina** (Gmelin)

*Trochilus sapphirinus* Gmelin, Syst. Nat., **1**, pt. 1, 1788, p. 496. (Guiana.)

*Hylocharis Guianensis* Boucard, Humming Bird, **1**, 1891, p. 52. (River Carimang, Camacusa and Merumé Mts., British Guiana.)

*Hylocharis brasiliensis* Boucard, Humming Bird, **3**, 1893, p. 7. (Brazil, i.e. Bahia.)

From the Orinoco Valley and the Andes eastward to the Guianas and Pará; eastern Brazil from Bahia to São Paulo; Paraguay; northern Argentina in provinces of Chaco, Formosa, Misiones and Entre Ríos (?).<sup>3</sup>

**Hylocharis cyanus viridiventris** Berlepsch

*Hylocharis cyanea* subsp. *viridiventris* Berlepsch, Ibis, 1880, p. 113. (Venezuela (Mérida), Trinidad and the Orinoco district.)

Northern Colombia (Santa Marta Mts.), Venezuela, the Guianas and lower Amazonian Brazil extending eastward to northern Maranhão.

**Hylocharis cyanus cyanus** (Vieillot)

*Trochilus cyanus* Vieillot, Nouv. Dict. Hist. Nat., **23**, 1818, p. 426. (Brazil = Rio de Janeiro ex Voyage De Lalande.)

Littoral of Brazil from Bahia to São Paulo.

<sup>1</sup> Specimens not seen, may prove referable to *borealis*.

<sup>2</sup> This name a *nomen nudum* in Rev. Zool., 1846, p. 316.

<sup>3</sup> Some authorities recognize *Trochilus latirostris* Wied as a race inhabiting eastern Brazil, Paraguay and northern Argentina; there does not appear to be any constant difference that would warrant this procedure.

**Hylocharis cyanus rostrata** Boucard

*Hylocharis cyanea rostrata* "Berlp." Boucard, Gen. Humming Birds, 1895, p. 400. (Rioja, Perú.)

Eastern Perú east to the Rio Madeira and south to northeastern Bolivia and western Matto Grosso.

**Hylocharis chrysura** (Shaw)

*Trochilus chrysurus* Shaw, Gen. Zool., 8, 1812, p. 335. (Paraguay, ex Azara.)<sup>1</sup>

*Hylocharis ruficollis maxwelli* Hartert, Nov. Zool., 5, 1898, p. 519. (Plains near Reyes, Río Beni, Bolivia.)

*Hylocharis chrysura platensis* Pinto, Rev. Mus. Paulista, 17, pt. 2, 1932, p. 737. (Itaquy, Rio Grande do Sul, Brazil.)

Eastern Bolivia; southern Brazil in states of Matto Grosso, Minas Geraes, São Paulo, Santa Catharina and Rio Grande do Sul; Paraguay; Uruguay; northern Argentina in provinces of Jujuy, Salta, Tucumán, Santiago del Estero, Formosa, Chaco, Misiones, Santa Fé, Entre Ríos and Buenos Aires.

SUBGENUS **EUCEPHALA** REICHENBACH

*Hylocharis*  $\gamma$  *Eucephala* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by monotypy, *Trochilus grayi* DeLattre and Bourcier.

**Hylocharis grayi grayi** (DeLattre and Bourcier)

*Trochilus Grayi* DeLattre and Bourcier, Rev. Zool., 1846, p. 307. (Popayán, Colombia.)

*Eucephala Grayi meridionalis* Simon, Hist. Nat. Trochil., 1921, p. 92; 312. (Western and Interandine Ecuador.)

Arid tropical zone from the Cauca Valley of Colombia to the Patia Valley in northern Ecuador.

**Hylocharis grayi humboldtii** (Bourcier and Mulsant)

*Trochilus humboldtii* Bourcier and Mulsant, Ann. Sci. Phys. Nat. d'Agric. et d'Ind., Soc. nat. etc., Lyon (2), 4, 1852, p. 142. (Río Mira, Prov. Esmeraldas, Ecuador.)

Humid tropical zone of the Pacific coast region from Buenaventura, Colombia to northwestern Ecuador.

NOTE. *Eucephala pyropygia* Salvin and Godman, Ibis, 1881, p. 596, pl. 16 (Ecuador, = Bahia) is known from only three specimens, the type in the British Museum, a skin in the collection of the late E. Simon and a third in Paris. Dr. Berlioz is convinced that this so-called

<sup>1</sup> This name has the same basis as *Trochilus ruficollis* Vieillot which it antedates by five years.

species is in reality a hybrid between *Hylocharis cyanus* (Vieillot) and *Chlorostilbon pucherani* (Bourcier and Mulsant) cf. L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 17-19.

### GENUS *CHRYSURONIA* BONAPARTE

*Chrysuronia* Bonaparte, Consp. Av., 1, 1850, p. 75. Type, by subsequent designation, *Ornismya oenone* Lesson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.)

cf. Hartert, Nov. Zool., 5, 1898, p. 518-519.

Simon, Hist. Nat. Trochil., 1921, p. 87-88; 307-308.

#### *Chrysuronia oenone oenone* (Lesson)

*Ornismya ænone* Lesson, Hist. Nat. Colibris, Suppl. Hist. Nat. Ois.-Mouches [1832], p. 157, pl. 30. (Trinidad.)

*Chrysuronia brevirostris* Madarász, Orn. Monatsb., 19, 1911, p. 32. (Ecuador.)

Island of Trinidad? <sup>1</sup> northern and eastern Venezuela; eastern and interandine Ecuador.

#### *Chrysuronia oenone longirostris* Berlepsch

*Chrysuronia oenone longirostris* Berlepsch, Journ. f. Orn., 35, 1887, p. 333. (Bogotá, Colombia, based on trade skins.)

Colombia, where recorded from Llanos de Meta, Eastern Andes and the Savanna of Bogotá.

#### ?*Chrysuronia oenone azurea* Simon

*Chrysuronia Oenone azurea* Simon, Hist. Nat. Trochil., 1921, p. 88, p. 307. (Paramba, Ecuador.)

Known only from the type locality; doubtfully distinct.

#### ?*Chrysuronia oenone intermedia* Hartert

*Chrysuronia oenone intermedia* Hartert, Nov. Zool., 5, 1898, p. 519. (Upper Amazon.)

Upper Amazon River; perhaps only individual variants in a population of *C. o. josephinae*.

#### *Chrysuronia oenone josephinae* (Bourcier and Mulsant)

*Trochilus Josephinæ* Bourcier and Mulsant, Rev. Zool., 1848, p. 272.

(No locality = upper Amazon ex Gould, Monogr. Trochil., pt. 17, 1859, text to pl. [13] = 5, pl. 326 of volume.)

*Agyrtria alleni* Elliot, Auk, 5, 1888, p. 263 (Yungas, Bolivia).<sup>2</sup>

<sup>1</sup> No longer occurs there; the type agrees with examples from eastern Venezuela, *vide* Hellmayr and Seilern, Arch. Naturg., 78, Abth A, 1912, Heft 5, p. 139, note 4.

<sup>2</sup> = ♀ or yg ♂, *vide* Hellmayr, Nov. Zool., 20, 1913, p. 248-249.

*Chrysuronia buckleyi* Boucard, Humming Bird, 3, 1893, p. 9. (Bolivia.)

*Hylocharis josephinae peruviana* Carriker, Proc. Acad. Nat. Sci. Phil., 87, 1935, p. 345. (Moyobamba, 3500 feet, Dept. San Martín, Perú.)<sup>1</sup>

Amazonian Perú and the Yungas of Bolivia.

#### GENUS GOLDMANIA NELSON

*Goldmania* Nelson, Smiths. Misc. Coll., 56, 1911, no. 21, p. 1. Type, by original designation and monotypy, *Goldmania violiceps* Nelson.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 452-454.

#### *Goldmania violiceps* Nelson

*Goldmania violiceps* Nelson, Smiths. Misc. Coll., 56, 1911, no. 21, p. 1. (Cerro Azul, 3000 feet, northwest of Chepo, Panamá.)

Confined to eastern Panamá where known only from Cerro Azul and the Río Tuyra valley.

#### GENUS GOETHALSIA NELSON

*Goethalsia* Nelson, Smiths. Misc. Coll., 60, 1912, no. 3, p. 6. Type, by original designation and monotypy, *Goethalsia bella* Nelson.

cf. Simon, Hist. Nat. Trochil., 1921, p. 95 ("Gæthalsia"), p. 313 ("Goetalsia").

#### *Goethalsia bella* Nelson

*Goethalsia bella* Nelson, Smiths. Misc. Coll., 60, 1912, no. 3, p. 7. (Cana, 2000 feet, Panamá.)

Eastern Panamá where known only from Cana (2000 feet) and the slopes of Mt. Pirri (4500-5000 feet).

#### GENUS TROCHILUS LINNÉ

*Trochilus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 119. Type, by subsequent designation, *Trochilus polytmus* Linné. (G. R. Gray, List Gen. Bds., 1840, p. 14).<sup>2</sup>

cf. Bond, Bds. West Indies, 1936, p. 212-214 (*sub nom.* *Aithurus*).  
Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 338-342 (*sub nom.* *Aithurus*).

<sup>1</sup> Until the complicated synonymy and genetic relationships of *Ch. josephinae* can be straightened out, it does not seem wise to recognize additional races.

<sup>2</sup> Replaces *Aithurus* Cabanis and Heine, 1860.

**Trochilus polytmus polytmus** Linné

*Trochilus Polytmus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 120.  
(America, = Jamaica, *ex* Brown.)

*Aithurus taylori* Rothschild, Bull. Brit. Orn. Cl., 3, 1894, p. xlvii, in text. (St. Andrews, Jamaica.)

Island of Jamaica, Greater Antilles (except portion occupied by the next race).

**Trochilus polytmus scitulus** (Brewster and Bangs)

*Aithurus scitulus* Brewster and Bangs, Proc. New England Zool. Cl., 2, 1901, p. 49. (Priestman's River, Portland Parish, Jamaica.)

Confined to Portland Parish in northeastern Jamaica.

GENUS **LEUCOCHLORIS** REICHENBACH

*Agyrtia*  $\gamma$  *Leucochloris* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by monotypy, *Trochilus albicollis* Vieillot.  
*cf.* Simon, Hist. Nat. Trochil., 1921, p. 100; 315.

**Leucochloris albicollis** (Vieillot)

*Trochilus albicollis* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 426.  
(Brazil; restricted to São Paulo by Pinto, Rev. Mus. Paulista, 22, 1938, p. 277.)

*Lampornis Musarum* M. and W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 64. (Paraguay and Misiones, lat. 27° S.)

Southeastern Brazil in states of Minas Geraes, Espírito Santo, São Paulo, Paraná, Santa Catharina and Rio Grande do Sul; Paraguay; northern Argentina in provinces of Catamarca, Tucumán and Misiones.

NOTE. *Chlorestes malvina* Reichenbach, Trochil. Enum., 1855, p. 4, based on Icon. Av., pl. 696, ff. 4550, 4551 (Nova Friburgo, Rio de Janeiro, Brazil) was allocated to the genus *Leucochloris* by Simon and Hellmayr, Nov. Zool., 15, 1908, p. 2-3, but according to Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.) 8, 1938, p. 16-17, the unique type is a hybrid, *Leucochloris albicollis* x *Chlorostilbon aureoventris pucherani*.

GENUS **POLYTMUS** BRISSON

*Polytmus* Brisson, Orn., 1, 1760, p. 40; 3, p. 667. Type, by tautonymy, *Polytmus* Brisson. = *Trochilus thaumantias* Linné.

*Thaumatias* [sic] Bonaparte, Compt. Rend. Acad. Sci. Paris, 30, 1850, p. 382. Type, by original designation and tautonymy, *Trochilus thaumatias* [i.e. *thaumantias*] Linné.

*cf.* Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1929, p. 394.  
Simon, Hist. Nat. Trochil., 1921, p. 100-101; 315-316.

***Polytmus guainumbi doctus* nomen nov.**

*Chrysobronchus thaumantias andinus* Simon, Cat. Trochil., 1897, p. 24 (*nomen nudum*).

*Polytmus thaumantias andinus* Simon, Hist. Nat. Trochil., 1921, p. 101; 316. (Savanna of Bogotá.) Preoccupied as a synonym of *Polytmus thaumantias* (Linné) in Hartert, Das Tierreich, Lief. 9, Aves, 1900, p. 105.

Colombia; distribution not worked out.

***Polytmus guainumbi guainumbi* (Pallas)**

*Trochilus guainumbi* Pallas in Vroeg's Catalogue, Adumbr., 1764, p. 2. (Cape of Good Hope, error = Surinam, cf. Richmond, Smiths. Misc. Coll., 47, 1905, p. 344.)

Venezuela, the Guianas, and Island of Trinidad.

***Polytmus guainumbi thaumantias* (Linné)**

*Trochilus Thaumantias* Linné, Syst. Nat., ed. 12, 1, 1766, p. 190. (South America; restricted to Sergipe, Brazil by Hellmayr, *antea*.)

Eastern and central Brazil in states of Maranhão, Pernambuco, Bahia, Goyaz, Minas Geraes, São Paulo and Matto Grosso; Paraguay; Bolivia.

GENUS **WALDRONIA** CHAPMAN

*Waldronia* Chapman, Am. Mus. Novit., no. 380, 1929, p. 14. Type, by original designation, *Waldronia milleri* Chapman.

cf. Chapman, loc. cit., p. 14-15.

***Waldronia milleri* Chapman**

*Waldronia milleri* Chapman, Am. Mus. Novit., no. 380, 1929, p. 14. (Mt. Duida, 4700 feet, Venezuela.)

Upper slopes of Mt. Auyan-tepui and Mt. Duida, Venezuela between 4200 and 6600 feet.

GENUS **SMARAGDITES** BOIE

*Smaragdites* Boie, Isis von Oken, 1831, col. 547. Type, by subsequent designation, *Trochilus viridissimus* [Audubert and] Vieillot, not of Gmelin = *Trochilus theresiae* Da Silva Maia. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 21.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 101; 316-317.

***Smaragdites theresiae theresiae* (Da Silva Maia)**

*Ornismya theresiae* Da Silva Maia, Minerva Brazil., 88, Nov. 1843, p. 2. (Pará.)<sup>1</sup>

<sup>1</sup> Description republished in Ihering and Ihering, Cat. Fauna Bras., 1, Aves, 1907, ann. 1, p. 426.

The Guianas and northern Brazil in states of Amazonas (lower Rio Negro and Rio Madeira) and Pará (Rio Tapajóz).

**Smaragdites theresiae leucorrhous** (Sclater and Salvin)

*Polytmus leucorrhous* "Gould MS," Sclater and Salvin, Proc. Zool. Soc. London, 1867, p. 584. (Cobatí, upper Rio Negro.)

Northern Perú and the upper Rio Negro region of northwestern Brazil.

GENUS **LEUCIPPUS** BONAPARTE

*Leucippus* Bonaparte, Consp. Av., 1, Mar., 1850, p. 73. Type, by subsequent designation, *Trochilus fallax* Bourcier. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 21.)

*Doleromyia* Bonaparte, Rev. et Mag. Zool. (2), 6, 1854, p. 249. (Substitute name for *Leucippus* Bonaparte. Type, by monotypy, *Trochilus fallax* Bourcier.)<sup>1</sup>

cf. Simon, Hist. Nat. Trochil., 1921, p. 101-103; 317-319.

**?Leucippus fallax cervina** (Gould)

*Dolerisca cervina* Gould, Intro. Trochil., 1861, p. 56. ("Habitat unknown.")

Littoral of northeastern Colombia; doubtfully distinct from *L. f. fallax*.<sup>2</sup>

**Leucippus fallax fallax** (Bourcier)

*Trochilus fallax* Bourcier, Rev. Zool., April, 1843, p. 103. (Caracas, Venezuela.)

*Trochilus fallax* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 44. (Caracas, Venezuela.)

*Doleromyia pallida* Richmond, Auk, 12, 1895, p. 369. (Margarita Island.) Not *Leucippus pallidus* Taczanowski, 1874.

*Leucippus fallax richmondi* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1915, p. 303. New name for the foregoing.

Littoral of Venezuela; La Tortuga, Margarita Island.

<sup>1</sup> Simon was in error in using *Doleromyia* for *fallax* and *baeri* and *Leucippus* for *viridicauda* and *chionogaster*, since the two generic names are objective synonyms. For those who wish to split the genus, *Leucippus* must be used for *fallax* and *baeri*; *viridicauda* and *chionogaster* must be given a new generic name since none is available.

<sup>2</sup> The statement by Hartert in Cat. Bds. Brit. Mus., 16, p. 177 that "the Colombian birds have a little less white on the lateral rectrices, and in this respect agree with the type of *D. cervina* Gould" evidently induced Simon provisionally to apply this name to the Colombian form.

**Leucippus baeri** Simon

*Leucippus Baeri* Simon, *Ornis*, **11**, 1901, p. 202. (Tumbes, Perú.)  
Arid littoral region of Perú near Tumbes.

**Leucippus chionogaster chionogaster** (Tschudi)

*Trochilus leucogaster* Tschudi, *Arch. Naturg.*, **10**, 1844, Bd. 1, p. 297. (Perú.) Not *Trochilus leucogaster* Gmelin, 1788.

*Trochilus chionogaster* Tschudi, *Fauna Peruana*, 1844-46, *Orn.*, 1845, p. 39, 247, pl. 22, f. 2.<sup>1</sup> New name for *Trochilus leucogaster* Tschudi, preoccupied.

*Leucippus pallidus* Taczanowski, *Proc. Zool. Soc. London*, 1874 (1875), p. 542. (Huanta and Soriano, Perú.) = juvenal, *apud* Simon.

Northern and central Perú.

**Leucippus chionogaster hypoleucus** (Gould)

*Trochilus* (———?) *hypoleucus* Gould, *Proc. Zool. Soc. London*, pt. 14, 1846, p. 90. (Bolivia.)

*Trochilus Turneri* Bourcier, *Rev. Zool.*, Nov., 1846, p. 313. (Bolivia.)

*Leucippus leucogaster longirostris* Schlüter, *Falco*, **9**, 1913, p. 42. (Province of Salta, Argentina.)

Bolivia; northwestern Argentina in provinces of Jujuy, Salta, Catamarca, Tucumán and La Rioja.

**Leucippus viridicauda** Berlepsch

*Leucippus viridicauda* Berlepsch, *Ibis*, 1883, p. 493. (Hiuro, 4800 feet, Perú.)

Perú in depts. of Cuzco and Convencion.

GENUS **TALAPHORUS** Mulsant and Verreaux

*Talaphorus* Mulsant and E. Verreaux, *Hist. Nat. Ois.-Mouches*, **1**, 1874, p. 257. Type, by monotypy, *Leucippus chlorocercus* Gould.

*Thamasius* Selater, *Proc. Zool. Soc. London*, 1879, p. 146. Type, by monotypy, *Thaumasius taczanowskii* Selater.

*Taphropsilus* Simon,<sup>2</sup> *Rev. Franç. d'Orn.*, **1**, 1910, p. 261. Type, by original designation and monotypy, *Aphantochroa hyposticta* Gould.

*Brabournea* Chubb, *Bds. Brit. Guiana*, **1**, 1916, p. 394. New name to replace *Thaumasius* Selater on grounds of preoccupation by *Thaumasia* Perty, 1833, *Arachnida*.

*cf.* Simon, *Hist. Nat. Trochil.*, 1921, p. 103-104; 319. (*Tephropsilus* [sic]).

<sup>1</sup> The plate is lettered *Trochilus leucogaster*.

<sup>2</sup> Spelled *Taphropsilus* in Simon, *Notice sur les Travaux Scientifiques*, 1918, p. 38.



**Talaphorus hypostictus hypostictus** (Gould)

*Aphantochroa hyposticta* Gould, Proc. Zool. Soc. London, 1862, p. 124. (Ecuador.)

Tropical zone of eastern Ecuador.

**Talaphorus hypostictus peruvianus** (Simon)

*Tephropsilus hypostictus peruvianus* Simon, Hist. Nat. Trochil., 1921, p. 103, 319. (Paucaltambo Valley, Soriano and Huambo Perú; Maipiri [= Mapiri?], Bolivia.)

Tropical zone of eastern Perú and northern Bolivia.

**Talaphorus taczanowskii fractus** (Bangs and Noble)

*Thaumasius taczanowskii fractus* Bangs and Noble, Auk, 35, 1918, p. 451. (Huancabamba, Perú.)

Northern Perú in Dept. of Piura.

**Talaphorus taczanowskii taczanowskii** (Sclater)

*Thaumasius taczanowskii* Sclater, Proc. Zool. Soc. London, 1879, p. 146. (Guajungo, Cajamarca, Perú.)

Central Perú in Depts. of Cajamarca and Libertad.

**Talaphorus chlorocercus** (Gould)

*Leucippus chlorocercus* Gould, in Sclater and Salvin, Proc. Zool. Soc. London, 1866, p. 194. (Upper Ucayali River, Perú.)

Eastern Perú in the Ucayali and Marañon Valleys.

GENUS **AMAZILIA** LESSON<sup>1</sup>

*Amazilia* Lesson, Écho du Monde Sav., 1843, col. 757. Type, by subsequent designation, *Ornismya cinnamomea* Lesson = *Ornismia rutila* DeLatre. (Stone, Proc. Acad. Nat. Sci. Phila., 1918, p. 256.)

cf. Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.) 3, 1933, p. 793-807. (Review of *Saucerottia*, *sensu strictu*.)

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 405-430 (*sub nom.* *Amizilis*); p. 430-434 (*sub nom.* *Agyrtria*); p. 434-452 (*Saucerottia*); p. 522-526 (*Polyerata*); p. 541 (*Lepidopyga boucardi*).

Simon, Hist. Nat. Trochil., 1921, p. 104-106, 320-322; (*Chionomesa*); p. 106-109; 322-325 (*sub nom.* *Amazilis*); p. 109-111; 325-326 (*Uranomitra*); p. 111; 326-327 (*Hypochionis*); p. 111-115; 327-330 (*sub nom.* *Agyrtria*); p. 115-116; 330-331 (*sub nom.* *Damophila*);<sup>2</sup> p. 116; 331 (*Arenella*); p. 116-123; 332-338 (*Saucerottia*).

<sup>1</sup> Replaces *Amizilis* Less., G. R. Gray, 1840, not applicable.

<sup>2</sup> *Damophila* in the sense used by Simon is the same as *Polyerata* Heine.

SUBGENUS **POLYERATA** HEINE

*Polyerata* Heine, Journ. f. Orn., **11**, 1863, p. 194, in text. Type, by monotypy, *Trochilus amabilis* Gould.

*Agyrtrina* Chubb, Bds. Brit. Guiana, **1**, 1916, p. 395. Type, by original designation, *Uranomitra whitelyi* Boucard, "and to include the species classed under *Agyrtria* Reichenbach by Braubourne and Chubb, Bds. So. Am., **1**, pp. 112-113."

*Arena* Mulsant, in Mulsant and Verreaux, Hist. Nat. Ois.-Mouches, **4**, 1877 (1878), p. 194. Type, by monotypy *Arena boucardi* Mulsant. Not *Arena* Fauvel, 1862, Coleoptera.

*Arinia* Mulsant, in Mulsant and Verreaux, Hist. Nat. Ois.-Mouches, **4**, 1877 (1878), p. 222.<sup>1</sup> New name to replace *Arena* Mulsant, preoccupied. Not *Arinia* Adams and Adams, 1856, Mollusca, nor of Schiner, 1862, Diptera.

*Hypochionis* Simon, Notice sur les Travaux Scientifiques, 1918, p. 38. Type, by original designation, *Ornismya cyanocephala* Lesson.

*Arenella* Simon, Hist. Nat. Trochil., 1921, p. 99 (in key), p. 116, 331. New name to replace "*Arinia* Mulsant" and *Arena* Mulsant, both preoccupied.

*Chionomesa* Simon, Hist. Nat. Trochil., 1921, p. 99 (in key), p. 104, 320. Type, by subsequent designation, *Ornismya lactea* Lesson. (Richmond, Proc. U. S. Nat. Mus., **70**, 1927, art. 15, p. 8).<sup>2</sup>

**Amazilia candida genini** (Meise)

*Agyrtrina versicolor genini* Meise, Bull. Mus. Roy. Hist. Nat. Belg., **14**, 1938, no. 53, p. 2. (El Asterillo, Vera Cruz.)

Humid tropical zone of the Caribbean slope of México in states of Vera Cruz, Puebla and Oaxaca.

**Amazilia candida candida** (Bourcier and Mulsant)

*Trochilus candidus* Bourcier and Mulsant, Ann. Sci. Phys. et Nat.,

<sup>1</sup> In the Zool. Rec. for 1878 (Aves, p. 39) and the Ibis, 1878, p. 469, *Arinia* is cited from "Ann. Soc. Linn. Lyon, 1877, Oct. 12," from an author's separate (or "brochure spéciale" according to Simon). The name however was not published in the complete volume (*vide* Salvin, Cat. Bds. Brit. Mus., **16**, 1892, p. 193, note).

<sup>2</sup> Spelled *Chionomesa* in Zool. Rec. for 1921 with *Agyrtria lactea* (Lesson) designated as type with a ?. In Proc. Eighth Int. Orn. Congr., 1938, p. 98, Meise arrives at the conclusion that *Chionomesa* is a substitute name for "*Thaumatis* (sec. Bp.) Gould 1852" and on this basis fixes the type as *Thaumatis chionurus* Gould and consequently cites *Chionomesa* as a synonym of *Elwira* Mulsant and Verreaux. This is of course impossible, since on page 104 where *Chionomesa* first appears with its contained species it is clearly a new generic name based on ten included forms, all removed from *Agyrtria* of previous authors, and *Thaumatis chionurus* Gould is not among them.

d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 326. (Cobán Guatemala.)

Humid tropical zone of the Caribbean slope of Central America from Chiapas and Tabasco to Nicaragua; casual (?) in northwestern Costa Rica.

***Amazilia candida pacifica* (Griscom)**

*Agyrtria candida pacifica* Griscom, Am. Mus. Novit., no. 379, 1929, p. 10. (Finca Carolina, near Tumbador, Guatemala.)

Confined to the rain forests on the Pacific slope of Guatemala.

***Amazilia chionopectus chionopectus* (Gould)**

*Thaumantias chionopectus* Gould, Monogr. Trochil., pt. 18, Sept. 1859, pl. [8] and text [= 5, pl. 293 of volume]. (Trinidad.)

Eastern Venezuela, British Guiana and Surinam; Island of Trinidad.

***Amazilia chionopectus whitelyi* (Boucard)**

*Uranomitra whitelyi* Boucard, Humming Bird, 3, 1893, p. 8. (British Guiana = Annai.)

Mountains of British Guiana.<sup>1</sup>

***Amazilia chionopectus orienticola* Todd**

*Amazilia chionopectus orienticola* Todd, Ann. Carnegie Mus., 29, 1942, p. 319. (Mana, French Guiana.)

Cayenne.

***Amazilia versicolor millerii* (Bourcier)**

*Trochilus Millerii* Lodd. MSS. ined., Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 43. (Rio Negro, Brazil.)

*Agyrtria Milleri Laglaizei* Simon, Hist. Nat. Trochil., 1921, p. 113, 328. (San Fernando de Apuré, Río Orinoco, Venezuela.)

Eastern Colombia, Venezuela, western Brazil north of the Amazon.

***Amazilia versicolor nitidifrons* (Gould)**

*Thaumantias nitidifrons* Gould, Proc. Zool. Soc. London, 1860, p. 308. (Locality unknown; Pará, suggested by Hellmayr, Field Mus. Nat. Hist. Publ., Orn. Ser., 12, 1929, p. 395.)

Northeastern Brazil, from the lower Tocantins eastward through Maranhão and Piauí to Ceará.

<sup>1</sup> I am unable to agree with Bangs and Penard, Bull. Mus. Comp. Zool., 62, 1918, p. 62-63, that *Ornismya brevirostris* Lesson is an earlier name for this race. Bangs and Penard apparently regarded *whitelyi* as inhabiting British Guiana and Surinam and *chionopectus* as the bird of Venezuela and Trinidad, but according to Simon *whitelyi* is confined to the mountains of British Guiana, so even if we accept Bangs and Penard's views, *brevirostris* would replace *chionopectus*.

**?*Amazilia versicolor meracula* (Simon)**

*Agyrtria nitidifrons meracula* Simon, Hist. Nat. Trochil., 1921, p. 114, 329. (Rio Napo? Locality doubtful.)

Range not known; requires confirmation.

***Amazilia versicolor versicolor* (Vieillot)**

*Trochilus versicolor* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 430. (Brazil.)

*Ornismya brevirostris* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xxxv, pl. 77. (Guiana, error = Rio de Janeiro.)

*Thaumatias affinis* Gould, Monogr. Trochil., pt. 9, May 1855, pl. [8] and text [= 5, pl. 299 of volume]. (Minas Geraes, Brazil.)

*Trochilus chlorobronchus* W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 57. (Rio Alto Paraná, Paraguay.)

*Agyrtrina versicolor brabournii* Bangs and Penard, Bull. Mus. Comp. Zool., 62, 1918, p. 63. (Bahia.)

Yungas of Bolivia, Matto Grosso and Goyaz, south to Paraguay, Misiones and Rio Grande do Sul.

***Amazilia hollandi* (Todd)**

*Agyrtria hollandi* Todd, Proc. Biol. Soc. Wash., 26, 1913, p. 173. (El Dorado, Río Cuyuni, Venezuela.)

Known only from the headwaters of the Río Cuyuni in extreme eastern Venezuela.

***Amazilia luciae* (Lawrence)**

*Thaumatias Luciae* Lawrence, Proc. Acad. Nat. Sci. Phila., 1867, p. 233. (Honduras.)

Honduras; known only from the unique type until rediscovered by C. F. Underwood (♂ Cofradia, 6 Mar. 1933; ♂ Santa Barbara, 10 May 1935; ♂ ♀ El Boqueron, 4000 feet, Sept. 1937, all in M. C. Z.).

***Amazilia fimbriata elegantissima* Todd**

*Amazilia fimbriata elegantissima* Todd, Ann. Carnegie Mus., 29, 1942, p. 323. (Santa Lucia, Miranda, Venezuela.)

Northern Venezuela in states of Carabobo, Aragua and Miranda.

***Amazilia fimbriata maculicauda* (Gould)**

*Thaumatias maculicaudus* Gould, Intr. Trochil., 1861, p. 154. (British Guiana.)

*Thaumatias nitidicauda* Elliot, Ibis, 1878, p. 38 (in key), p. 48. (Cayenne, error = mountains of British Guiana.)

Eastern Venezuela, British Guiana, Surinam.

**Amazilia fimbriata fimbriata** (Gmelin)

*Trochilus fimbriatus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 493.  
(Cayenne.)<sup>1</sup>

Cayenne and eastern Brazil north of the Amazon.

**Amazilia fimbriata apicalis** (Gould)

*Thaumatias apicalis* Gould, Intr. Trochil., 1861, p. 154. (Colombia.)

*Agyrtria terpna* Heine, Journ. f. Orn., 11, 1863, p. 184. (Bogotá.)

From the base of the Eastern Andes of Colombia east to the Orinoco Valley in Venezuela (excluding parts occupied by other races).

**Amazilia fimbriata fluviatilis** (Gould)

*Thaumatias fluviatilis* Gould, Intro. Trochil., 1861, p. 154. (Banks of the River Napo.)

Amazonian Colombia and eastern Ecuador.

**Amazilia fimbriata laeta** (Hartert)

*Agyrtria fluviatilis laeta* Hartert, Journ. f. Orn., 48, 1900, p. 360.  
(Nauta, Perú.)

Northeastern Perú and adjacent parts of western Brazil on the Rio Solimoes.<sup>2</sup>

**Amazilia fimbriata nigricauda** (Elliot)

*Thaumatias nigricauda* Elliot, Ibis, 1878, p. 37 (in key), p. 47.  
(Trinidad, British Guiana, Cayenne, Bahia; types from Bahia.)

Brazil south of the Amazon east to Pernambuco and south to Matto Grosso and São Paulo; Bolivia (Todos Santos, Mojos).<sup>3</sup>

**Amazilia fimbriata tephrocephala** (Vieillot)

*Trochilus tephrocephalus* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 430. (Brazil.)

Confined to a narrow belt near the coast of southeastern Brazil in states of Rio de Janeiro, São Paulo and Santa Catharina.

**Amazilia lactea bartletti** (Gould)

*Thaumatias bartletti* Gould, in Selater and Salvin, Proc. Zool. Soc. London, 1866, p. 194. (Upper Ucayali.)

Eastern and southeastern Perú; northern Bolivia in depts. of La Paz and Beni.

<sup>1</sup> Replaces *Ornismya viridissima* Lesson, 1829, not of Vieillot.

<sup>2</sup> Rio Tocantins included in the range of this form by Simon, doubtless through lapsus for Tonantins.

<sup>3</sup> Recorded by Simon from Chaco, Argentina; no representative of this species is included in the latest Argentine list, Hornero, 6, 1937, p. 551.

***Amazilia lactea zimmeri* (Gilliard)**

*Agyrtrina lactea zimmeri* Gilliard, Bull. Am. Mus. Nat. Hist., **77**, 1941, p. 471. (Mt. Auyan-tepui, 1100 metres, Venezuela.)

Known only from the type locality.

***Amazilia lactea lactea* (Lesson)**

*Ornismya sapphirina* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xxix, 172, pl. 56, part, ♀. (Guiana, Cayenne, Brazil.) Not *Trochilus sapphirinus* Gmelin.

*Ornismya lactea* Lesson, Hist. Nat. Colibris, Suppl. Hist. Ois.-Mouches [1832], p. 99. New name for the foregoing.

*Agyrtria speciosa* Boucard, Humming Bird, **3**, 1893, p. 8. (Brazil.)

Eastern Brazil in states of Bahia, Minas Geraes, Rio de Janeiro and São Paulo.

***Amazilia amabilis costaricensis* Todd**

*Amazilia amabilis costaricensis* Todd, Ann. Carnegie Mus., **29**, 1942, p. 330. (El Hogar, Costa Rica.)

Caribbean slope of Central America from Nicaragua to the Canal Zone.

***Amazilia amabilis decora* (Salvin)**

*Polyerata decora* Salvin, Ann. and Mag. Nat. Hist. (6), **7**, 1891, p. 377. (Volcán de Chiriquí, Panamá.)

Southwestern Costa Rica and western Panamá (Pacific slope).

***Amazilia amabilis amabilis* (Gould)**

*Trochilus* (——?) *amabilis* Gould, Proc. Zool. Soc. London, pt. 19, 1851 (1853), p. 115. (Colombia.)

Darien; Pacific coast of Colombia (eastward in Antioquia) and Ecuador.

***Amazilia cyaneotincta* (Gounelle)**

*Polyerata cyaneotincta* Gounelle, Rev. Franç. d'Orn., **1**, 1909, p. 17 and pl. (Bogotá.)

Known only from the unique type, a Bogotá trade skin. Actual distribution not known.

***Amazilia rosenbergi* (Boucard)**

*Polyerata rosenbergi* Boucard, Gen. Hummingb., 1895, p. 399. (Río Dagua, Colombia.)

*Polyerata reini* Berlepsch, Orn. Monatsb., **5**, 1897, p. 58. (Western Ecuador.)

Tropical zone of western Colombia and northwestern Ecuador.

**Amazilia boucardi** (Mulsant)

*Arena Boucardi* Mulsant, Descr. esp. nouv. Trochil., 1877, p. 6.<sup>1</sup>  
(Punta Arenas, Costa Rica.)

*Arena Boucardi* Mulsant, in Mulsant and Verreaux, Hist. Nat. Ois.-Mouches, 4, 1877 (1878), p. 194. (Punta Arenas, Costa Rica.)

Pacific slope of Costa Rica from the head of the Gulf of Nicoya to the Río Grande de Térraba.

**Amazilia franciae franciae** (Bourcier and Mulsant)

*Trochilus Franciæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat., d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 324. (Bogotá, Colombia.)<sup>2</sup>

Subtropical zone of the Andes of Colombia.

**Amazilia franciae viridiceps** (Gould)

*Thaumatias viridiceps* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 307. (Ecuador.)

Tropical zone of southwestern Colombia and western Ecuador.

**Amazilia franciae cyanocollis** (Gould)

*Trochilus* (——?) *cyanocollis* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (1854), p. 61. (Eastern slope of the Andes of Perú.)

Northern Perú.

**?Amazilia veneta** (Simon)

*Agyrtria veneta* Simon, Hist. Nat. Trochil., 1921, p. 112, 328. (Bogotá, Colombia.)

Based on a single Bogotá trade skin; requires confirmation.

**Amazilia leucogaster leucogaster** (Gmelin)

*Trochilus leucogaster* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 495. (*ex* Brisson, Buffon etc.; Cayenne designated as type locality by Berlepsch, Nov. Zool., 15, 1908, p. 265.)

The Guianas and northern Brazil in states of Pará, Maranhão and Piauí.

**Amazilia leucogaster bahiae** (Hartert)

*Agyrtria leucogaster bahiae* Hartert (*ex* Berlepsch MS.), Orn. Monatsb., 7, 1899, p. 140. (Bahia.)

Eastern Brazil from Pernambuco to Bahia.

<sup>1</sup> This name appears to date from an author's separate of a paper presented before the Linn. Soc. Lyon, 12 Oct. 1877, but which was never published in the volume for that year. Simon states that he himself had never succeeded in procuring a copy.

<sup>2</sup> This name a *nomen nudum* in Rev. Zool., 1846, p. 316.

**Amazilia cyanocephala cyanocephala** (Lesson)

*Ornismya cyanocephalus* Lesson, Hist. Nat. Ois.-Mouches, [1829], p. xlv. (Brazil, error = Vera Cruz.)

Subtropical zone of southeastern México in states of Vera Cruz, Oaxaca and Chiapas; extreme northwestern Guatemala.

**Amazilia cyanocephala guatemalensis** (Gould)

*Cyanomyia Guatemalensis* Gould, Introd. Trochil., 1861, p. 148. (Dueñas, Guatemala, ex Sclater and Salvin, Ibis, 1860, p. 39.)

Pine or oak and pine forests of Guatemala, British Honduras, Honduras, El Salvador and northern Nicaragua.

**Amazilia microrhyncha** (Elliot)

*Cyanomyia microrhyncha* Elliot, Ibis, 1876, p. 316. (Honduras?)

Known only from the unique type.

SUBGENUS **SAUCEROTTIA** BONAPARTE

*Saucerottia* Bonaparte, Consp. Av., 1, Mar. 1850, p. 77. Type, by original designation, *Saucerottia typica* Bonaparte = *Trochilus saucerrottei* DeLattre and Bourcier.

**Amazilia cyanifrons alfaroana** Underwood

*Amazilia alfaroana* Underwood, Ibis, 1896, p. 441. (Volcán de Miravalles, Costa Rica.)

Known only from the unique type.<sup>1</sup>

**Amazilia cyanifrons cyanifrons** (Bourcier)

*Trochilus cyanifrons* Bourcier, Rev. Zool., Apr. 1843, p. 100. (Ibague, Colombia.)

*Trochilus Cyanifrons* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy., etc., Lyon 6, 1843, p. 42. (Ibague, Colombia.)

Northern Colombia in the Eastern and Central Andes and the Cauca and Magdalena Valleys.

**Amazilia beryllina viola** (W. Miller)

*Amizilis beryllina viola* W. Miller, Bull. Am. Mus. Nat. Hist., 21, 1905, p. 353. (Jalpa, 3000 feet, Sinaloa.)

Western México in states of Sonora, Chihuahua, Sinaloa, Nayarit, Jalisco, Michoacán and Guerrero.

<sup>1</sup> For a discussion of the affinities of this bird see Carriker, Ann. Carnegie Mus., 6, 1910, p. 527-528. Simon cites this name in the synonymy of *cyanifrons*, saying that it is in the Bogotá trade make, but Underwood himself shot this type; moreover some of Underwood's skins of that period are in a make closely resembling Bogotá skins, a circumstance that evidently deceived Simon.



***Amazilia beryllina beryllina* (Lichtenstein)**

*Trochilus beryllinus* Lichtenstein, Preis-Verz. Mex. Vög., 1830, p. 1. (México.)<sup>1</sup>

Eastern México in states of Vera Cruz, México, Morelos, Guana-juato, Oaxaca and Chiapas (western end of Sierra Madre).

***Amazilia beryllina devillei* (Bourcier and Mulsant)**

*Trochilus Devillei* Bourcier and Mulsant, Rev. Zool., 1848, p. 272. (Guatemala, restricted to Alotenango, western watershed at 4000 feet, by Carriker and deSchauensee).

*Saucerottia beryllina motaguae* Carriker and deSchauensee, Proc. Acad. Nat. Sci. Phila., **87**, 1935, p. 421. (Marajuma, 1000 feet, Motagua Valley, Guatemala.)

Southern Mexico in States of Chiapas (Pacific lowlands of Soconusco) and Yucatán (?); Guatemala, western Honduras, El Salvador.<sup>2</sup>

***Amazilia cyanura guatemalae* (Dearborn)**

*Saucerottea cyanura guatemalæ* [sic] Dearborn, Field Mus. Nat. Hist. Publ., Orn. Ser., **1**, 1907, p. 97. (Mazatenango, Dept. Suchitepequez, Guatemala.)

Pacific slope of Chiapas and Guatemala.

***Amazilia cyanura cyanura* Gould**

*Amazilia cyanura* Gould, Monogr. Trochil., pt. 18, Sept. 1859, pl. [12] and text [= 5, pl. 315 of volume]. (Realejo, Nicaragua.)

*Saucerottea cyanura impatiens* Bangs, Proc. Biol. Soc. Wash., **19**, 1906, p. 104. (San Pedro, Costa Rica.)

El Salvador, western Honduras, western Nicaragua, central Costa Rica (accidental, one record, San Pedro).

***Amazilia saucerrottei hoffmanni* (Cabanis and Heine)**

*Hemithylaca Hoffmanni* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 38. (Costa Rica.)<sup>3</sup>

Western and southern Nicaragua, Costa Rica over the central and northern plateau region on the Caribbean slope and over the whole of the Pacific lowlands south to Río Grande de Tarcóles.

<sup>1</sup> *Amazilia Sumichrasti* Salvin, Ann. and Mag. Nat. Hist. (6), **7**, 1891, p. 376. ("Tehuantepec, South México," i.e. Santa Efigenia, Oaxaca), is either an intermediate between *beryllina* and *devillei* or a highly colored example of *beryllina*; cf. Berlioz, *antea*, p. 797.

<sup>2</sup> In El Salvador *A. b. devillei* appears to hybridize extensively with *A. c. cyanura*. See Dickey and vanRossem, Field Mus. Nat. Hist. Publ., Zool. Ser., **23**, 1938, p. 262-264.

<sup>3</sup> Replaces *Trochilus sophiae* Bourcier and Mulsant.

**Amazilia saucerrottei saucerrottei** (DeLattre and Bourcier)

*Trochilus Saucerrottei* DeLattre and Bourcier, Rev. Zool., 1846, p. 311. (Cali, Colombia.)

*Trochilus Sophiæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 318 (Bogotá).<sup>1</sup>

*Trochilus sophiæ* Bourcier, Rev. Zool., 1846, p. 316, *nomen nudum*.

Tropical zone of Colombia on the western slopes of the Western Andes and in the Cauca Valley.

**Amazilia saucerrottei warscewiczii** (Cabanis and Heine)

*Hemithylaca Warscewiczii* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 38. (Veragua, error = lower Magdalena Valley, Colombia.)

Northern Colombia in the lower Magdalena Valley and the Santa Marta region; eastern slopes of the Eastern Andes of Colombia (Ocaña).

**Amazilia saucerrottei braccata** (Heine)

*Hemithylaca braccata* Heine, Journ. f. Orn., 11, 1863, p. 193. (Mérida, Venezuela.)

Western Venezuela.<sup>2</sup>

**Amazilia tobaci feliciae** (Lesson)

*Ornismya Feliciæ* Lesson, Rev. Zool., 1840, p. 72. (District of São José, Brazil, error = Venezuela.)

Littoral of northern Venezuela and the coastal ranges (Silla de Caracas, Cerro del Avila, Cumbre de Valencia).

**Amazilia tobaci monticola** (Todd)

*Saucerottia tobaci monticola* Todd, Proc. Biol. Soc. Wash., 26, 1913, p. 174. (Guarico, Lara, Venezuela.)

Northwestern Venezuela in State of Lara.

**Amazilia tobaci apurensis** (Simon)

*Saucerottea Feliciæ apurensis* Simon, Hist. Nat. Trochil., 1921, p. 122, 338. (San Fernando de Apure, Venezuela.)

Central Venezuela on the lower Apure River.

<sup>1</sup> There is so much doubt as to the correct application of this name that it seems wisest to adopt the course proposed by Hellmayr, Nov. Zool., 20, 1913, p. 249 and dispose of *sophiæ* as a synonym of *saucerrottei*.

<sup>2</sup> Simon proposes to use *Trochilus mellisugus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121 for this bird; I cannot reconcile the brief diagnosis with any species of this genus and see no use in changing from a name of certain to one of very doubtful application.

**Amazilia tobaci caurensis** (Berlepsch and Hartert)

*Saucerottea erythronotos caurensis* Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 84. (Suapure, Caura River, Venezuela.)

Eastern Venezuela in the Caura and lower Orinoco valleys, extending to Mt. Auyan-tepui and Mt. Roraima.

**Amazilia tobaci aliciae** Richmond

*Amazilia aliciae* Richmond, Auk, 12, 1895, p. 368. (Margarita Island, Venezuela.)

Littoral of northeastern Venezuela (Cumana, Paria); Margarita Island.

**Amazilia tobaci erythronotos** (Lesson)

*Ornismya erythronotos* Lesson, Hist. Nat. Ois.-Mouches, [1829], p. xxxii, 181, pl. 61. (Brazil, error = Trinidad, by substitution of Berlepsch and Hartert, Nov. Zool., 9, 1902, p. 84, note.)

Island of Trinidad.

**Amazilia tobaci tobaci** (Gmelin)

*Trochilus Tobaci* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 499. (Island of Tobago.)

*Saucerottia wellsi* Boucard, Humming Bird, 3, 1893, p. 8. (Island of Grenada, West Indies.)

Island of Tobago; Island of Grenada, Lesser Antilles? <sup>1</sup>

**Amazilia viridigaster viridigaster** (Bourcier)

*Trochilus viridigaster* Bourcier, Rev. Zool., 1843, p. 103. (Fusagasuga, Colombia.)

*Amazilia lawrencei* Elliot, Auk, 6, 1889, p. 209. (Bogotá?)

*Eriocnemis incultus* Elliot, Auk, 6, 1889, p. 210. (Bogotá?)

*Saucerottia nunezi* Boucard, Humming Bird, 2, 1892, p. 81. (Bogotá, Colombia.)

*Saucerottea viridigaster melanura* Simon, Hist. Nat. Trochil., 1921, p. 120, 335. (Bogotá, Colombia.)

Eastern slope of the Eastern Andes of Colombia and in the Mérida region of western Venezuela.

**Amazilia viridigaster duidae** (Chapman)

*Saucerottea cupreicauda duidae* Chapman, Am. Mus. Novit., no. 380, 1929, p. 13. (Mt. Duida, 4700 feet, Venezuela.)

Confined to Mt. Duida, Venezuela.

<sup>1</sup> Perhaps the specimen that served as Boucard's type and that was sent him by Wells was not actually taken on Grenada; in any event it could only have occurred there as an accidental visitor.

***Amazilia viridigaster cupreicauda* Salvin and Godman**

*Amazilia cupreicauda* Salvin and Godman, Ibis, 1884, p. 452. (Mt. Roraima, British Guiana.)

Mountains west of Suapure, Venezuela; Mt. Roraima on the Venezuela-British Guiana border, Merumé Mts., British Guiana.

***Amazilia edward niveoventer* (Gould)**

*Trochilus* (———?) *niveoventer*, Gould, Proc. Zool. Soc. London, pt. 18, 1850 (1851), p. 164. (David, Panamá.)

Extreme southwestern Costa Rica (Térraba Valley) and western Panamá, east to the Azuero Peninsula (Pacific slope only?)<sup>1</sup>

***Amazilia edward edward* (DeLattre and Bourcier)**

*Trochilus Edward* DeLattre and Bourcier, Rev. Zool., 1846, p. 308. (Isthmus of Panamá.)

Arid tropical zone of Panamá from Veraguas to the Río Chepo.

***Amazilia edward margaritarum* (Griscom)**

*Saucerottia edwardi* [sic] *margaritarum* Griscom, Am. Mus. Novit., no. 282, 1927, p. 4. (Pedro Gonzales Island, Pearl Islands.)

Confined to the Pearl Islands in the Bay of Panama.

***Amazilia edward crosbyi* (Griscom)**

*Saucerottia edwardi* [sic] *crosbyi* Griscom, Am. Mus. Novit., no. 282, 1927, p. 5. (Cape Garachiné, Panamá.)

Pacific slope of Eastern Panamá (Río Capeti, Cape Garachiné).

NOTE. *Amazilia Ocai* Gould, Ann. and Mag. Nat. Hist. (3), 4, 1859, p. 96 (Jalapa, Vera Cruz) is hybrid, *Amazilia c. cyanocephala* (Lesson) x *Amazilia b. beryllina* (Lichtenstein), *vide* Berlioz, L'Ois et Rev. Franç. d'Orn. (n.s.), 2, 1932, p. 531. Most authors cite *Thaumatias lerdi* d'Oca, La Naturaleza, 3, 1875, p. 24 (Paso del Mancho, Vera Cruz) in the synonymy of *ocai* with a? The true identity of this form is a mystery.

NOTE. *Saucerottia florenceae* van Rossem and Hachisuka, Trans. San Diego Soc. Nat. Hist., 8, 1938, p. 408 (Rancho Santa Barbara, 5000 feet, 20 miles northeast of Guirocoba, Sonora.) Known only from the unique type. Believed to be related to *A. ocai* and *A. sumichrasti*. Here regarded as a probable hybrid.

<sup>1</sup> Recorded from the Canal Zone by Sclater and Salvin, Proc. Zool. Soc. London, 1864, p. 365.

SUBGENUS **AMAZILIA** LESSON**Amazilia rutila diluta** vanRossem

*Amazilia rutila diluta* vanRossem, Condor, **40**, 1938, p. 226. (Santiago, Nayarit, México.)

Northwestern México in states of Sinaloa and Nayarit.

**Amazilia rutila rutila** (DeLattre)

*Ornismya cinnamomea* Lesson, Rev. Zool., 1842, p. 175. (Acapulco, Guerrero.) Not *Ornismya cinnamomeus* Gervais, 1835.

*Ornismya rutila* DeLattre, Écho du Monde Sav. (2), **7**, 1843, col. 1069. New name for *Ornismya cinnamomea* Lesson, preoccupied.

Arid tropical zone of western and southern México and the greater part of Central America from Jalisco and Yucatán to Honduras and western Costa Rica; islands of Holbox and Mugerres.

**Amazilia rutila corallirostris** (Bourcier and Mulsant)

*Trochilus Corallirostris* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **9**, 1846, p. 328. (Escuintla, Guatemala.)

*Amazilia cinnamomea saturata* Nelson, Proc. Biol. Soc. Wash., **12**, 1898, p. 63. (Huehuetan, Chiapas.)

Pacific slope of southwestern México and Central America from Chiapas to the Lempa River, El Salvador.

**Amazilia rutila graysoni** Lawrence

*Amazilia (Pyrrhophæna) Graysoni* Lawrence, Ann. Lyc. Nat. Hist. N. Y., **8**, 1866, p. 404. (Tres Marias Islands, México.)

Confined to Maria Madre Island of the Tres Marias Islands, off the west coast of México.

**Amazilia yucatanensis chalconota** Oberholser

*Amazilia cerviniventris chalconota* Oberholser, Auk, **15**, 1898, p. 32. ("Beeville" = Brownsville, Texas.)

Lower Río Grande Valley in Texas, and northeastern México in states of Coahuila, Nuevo León, Tamaulipas and San Luis Potosí.

**Amazilia yucatanensis cerviniventris** (Gould)

*Amazilius cerviniventris* Gould, Proc. Zool. Soc. London, pt. 24, 1856, p. 150. (Córdoba, Vera Cruz.)

Southern México in states of Vera Cruz, Puebla and Chiapas.

**Amazilia yucatanensis yucatanensis** (Cabot)

*Trochilus yucatanensis* Cabot, Proc. Boston Soc. Nat. Hist., **2**, 1845, p. 74. (Yucatán.)

Southeastern México in states of Tabasco, Campeche and Yucatán and adjacent parts of Guatemala (Petén) and British Honduras.

**Amazilia tzacatl tzacatl** (De la Llave)

*Trochilus Tzacatl* De la Llave, Registro Trimestre, **2**, 1833, no. 5, p. 48. (México.)<sup>1</sup>

Eastern México from southern Tamaulipas south to Chiapas and Tabasco; Quintana Roo; Guatemala; British Honduras; Honduras; Nicaragua; Costa Rica; Panamá to the Canal Zone; Colombia (except southwestern) east to the Andes of Mérida, Venezuela.

**Amazilia tzacatl jucunda** (Heine)

*Eranna jucunda* Heine, Journ. f. Orn., **11**, 1863, p. 188. (Babahoyo and Esmeraldas, Ecuador.)

Southwestern Colombia and western Ecuador; Gorgona Island.

**Amazilia castaneiventris** (Gould)

*Amazilia castaneiventris* Gould, Proc. Zool. Soc. London, pt. 24, 1856, p. 150. (Bogotá, Colombia.)

Known only from Bogotá trade skins; actual range not known.

**Amazilia amazilia dumerilii** (Lesson)

*Ornismya dumerilii* Lesson, Hist. Nat. Colibris, suppl. Ois.-Mouches [1832], p. 172, pl. 36. (Northern provinces of Chile, error = western Ecuador.)

Arid tropical zone of the Pacific coast region of Ecuador and extreme northwestern Perú.

**Amazilia amazilia alticola** Gould

*Amazilia alticola* Gould, Proc. Zool. Soc. London, 1860, p. 309. (Puna district of Perú.)

Tropical zone of the interior of southern and southeastern Ecuador and adjoining parts of northern Perú.

**Amazilia amazilia amazilia** (Lesson)

*ornismya Amazilia* Lesson, Man. d'Orn., **2**, 1828, p. 81. (Environs of Lima, i.e. Callao, Perú.)

*Amazilia forreri* Boucard, Humming Bird, **3**, 1893, p. 7. (Mazatlan, Sinaloa, México, error = Perú.)<sup>2</sup>

Arid littoral of Perú (except extreme northwestern).

**Amazilia amazilia caeruleigularis** Carriker

*Amazilia caeruleigularis* Carriker, Proc. Acad. Nat. Sci. Phila., **85**, 1933, p. 6. (Nazca, 800 feet, Dept. Ica, Perú.)

<sup>1</sup> *Trochilus dubusi* Bourcier is a synonym.

<sup>2</sup> cf. Hellmayr, Nov. Zool., **20**, 1913, p. 25, and Simon, Hist. Nat. Trochil., 1921, p. 324, notes 2 and 3.

Known only from the type locality which is located at the "lower edge of the foothills about 35 miles back from the coast" (Carriker, *loc. cit.*).

***Amazilia amazilia leucophoea* Reichenbach**

*Amazilia leucophoea* Reichenbach, Journ. f. Orn., **1**, 1854, Beil. zu Extraheft, p. 24. (Volcano of Arequipa, Perú.)  
Eastern and southern Perú.

***Amazilia violiceps* <sup>1</sup> *conjuncta* Griscom.**

*Amazilia violiceps conjuncta* Griscom, Bull. Mus. Comp. Zoöl., **75**, 1934, p. 377. (Alamos, Sonora, México.)  
Northwestern México in states of Sonora and Chihuahua.

***Amazilia violiceps ellioti* (Berlepsch)**

*Amazilia verticalis* of authors, not *Trochilus verticalis* Lichtenstein.  
*Amazilia quadricolor* of authors, not *Trochilus quadricolor* Vieillot.  
*Uranomitra ellioti* Berlepsch, Proc. U. S. Nat. Mus., **9**, 1889, p. 562, in text. (Mazatlan, Sinaloa, México.)

Western México in states of Sinaloa, Nayarit, Jalisco, and Guanajuato.

***Amazilia violiceps violiceps* (Gould)**

*Cyanomyia violiceps* Gould, Ann. and Mag. Nat. Hist. (3), **4**, 1859, p. 97. (Atlixco, Puebla, México.)

*Cyanomyia viridifrons* Elliot, Ann. and Mag. Nat. Hist. (4), **8**, 1871, p. 267. (Putla, Oaxaca.) = yg.

*Cyanomyia guerrenderensis* Salvin and Godman, Biol. Centr. Am., **2**, 1892, p. 290. (Rincón, Acahuitzotla and Tierra Colorado, Guerrero, México.) = imm.

*Uranomitra Darneddei* Simon, Rev. Franç. d'Orn., **2**, 1911, p. 129. (Puebla, México.)

*Uranomitra atricapilla* Simon, Rev. Franç. d'Orn., **2**, 1911, p. 129. (State of Oaxaca, México) aberration.

Southwestern and southern México in states of Guerrero, Oaxaca, Michoacán, Morelos, Puebla, México and Chiapas.

NOTE. The following names have been referred to species in this genus, but for the reasons set forth after each their retention as valid species is either very questionable or impossible.

*Erythronota? elegans* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 307 (locality unknown). Col. pl., Gould, Monogr. Trochil., pt. 24, 1861, pl. [8] [= 5, pl. 320 of volume]. Placed in *Saucerottia* in

<sup>1</sup> For reviews of *violiceps* see Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), **2**, 1932, p. 129-132, and Griscom, Bull. Mus. Comp. Zoöl., **75**, 1934, p. 376-378.

Sharpe's Hand-list and Simon's Hist. Nat. Trochil., but actual status uncertain; perhaps an aberration. Known only from the unique type in British Museum.

*Thaumattus neglectus* Elliot, Ibis, 1877, p. 140. (Moxos ♂ and Yungas ♀, Bolivia). The type is an artefact composed of the head of *Hylocharis cyanus* and the body of *Amazilia versicolor* (see Simon and Hellmayr, Nov. Zool., 15, 1908, p. 2). Placed in *Agyrtia* in Sharpe's Hand-list.

*Amazilia xneobrunnea* Chapman, Bull. Am. Mus. Nat. Hist., 2, 1889, p. 163 (Bogotá, trade skin). Omitted in Cat. Bds. Brit. Mus., Das Tierreich and Sharpe's Hand-list. According to Simon and Hellmayr, Nov. Zool., 15, 1908, p. 2, the unique type is an artefact with the head of *Chlorostilbon gibsoni* and the body of *Chrysolampis mosquitus*.

*Amazilia lucida* Elliot, Ann. and Mag. Nat. Hist. (4), 20, 1877, p. 404. (Colombia.) Known only from the unique type; status and affinities uncertain.

*Cyanomyia salvini* Brewster, Auk, 10, 1893, p. 214 (Nacosari, Sonora). Placed in *Amazilia* in Sharpe's Hand-list; in *Uranomitra* by Simon. Is a hybrid, *Amazilia violiceps conjuncta* x *Cyananthus latirostris*, — see Griscom, Bull. Mus. Comp. Zool., 75, 1934, p. 378.

*Amizilis bangsi* Ridgway, Proc. Biol. Soc. Wash., 23, 1910, p. 54 (Volcán de Miravalles, Costa Rica) is a hybrid, *Amazilia rutila rutila* x *Amazilia tzacatl tzacatl*; see Bangs, Bull. Mus. Comp. Zool., 70, 1930, p. 218.

#### GENUS EUPHERUSA GOULD<sup>1</sup>

*Eupherusa* Gould, Monogr. Trochil., pt. 14, Sept., 1857, pl. [12] and text [= 5, pl. 324 of volume]. Type, by monotypy, *Ornismya eximia* DeLattre.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 393-401.

#### *Eupherusa (eximia) poliocerca* Elliot

*Eupherusa poliocerca* Elliot, Ann. and Mag. Nat. Hist. (4), 8, 1871, p. 266. (Putla, Oaxaca.)

Southwestern México in states of Guerrero, Puebla<sup>2</sup> (Chinantla) and Oaxaca (Putla).

<sup>1</sup> Includes *Callipharus* Elliot, 1879.

<sup>2</sup> In "Notes quelques Trochil.," 1873, p. 12, Boucard lists *Eupherusa eximia* from Chinantla, Oaxaca, (i.e. Puebla); in Genera Humming Birds, 1895, p. 170, Boucard writes under the heading of *Eupherusa poliocerca* "I killed that species several years before in Chinantla, Oaxaca [sic], but I do not know what became of my specimens. Probably they were sold as *E. eximia*." It is clear



**Eupherusa eximia nelsoni** Ridgway

*Eupherusa eximia nelsoni* Ridgway, Proc. Biol. Soc. Wash., **23**, 1910, p. 54. (Motzorongo, Vera Cruz.)

Southeastern México in states of Vera Cruz and Oaxaca (Chimalapa and Sierra Santo Domingo).

**Eupherusa eximia eximia** (DeLattre)

*Ornismya eximia* DeLattre, Écho du Monde Savant, 1843, col. 1069. (Cobán, Guatemala.)

Subtropical zone of Chiapas, Guatemala, British Honduras, Honduras and northern Nicaragua.

**Eupherusa eximia egregia** Sclater and Salvin

*Eupherusa egregia* Sclater and Salvin, Proc. Zool. Soc. London, 1868, p. 389. (Castello and Calovevora, Panamá.)

Subtropical zone of Costa Rica (both slopes) and western Panamá (Pacific slope).

**Eupherusa nigriventris** Lawrence

*Eupherusa nigriventris* Lawrence, Proc. Acad. Nat. Sci. Phila., 1867, p. 232. (Costa Rica.)

Caribbean slope of Costa Rica between 2000 and 4000 feet, and the same slope of the mountains of Chiriquí and Veraguas up to 7000 feet.

GENUS **ELVIRA** Mulsant, Verreaux and Verreaux

*Elvira* Mulsant and J. and E. Verreaux, Mém. Soc. Imp. Sci. Nat. Cherbourg, **12**, 1866, p. 176. (P. 32 of separately paged reprint.)

Type, by monotypy, *Trochilus* (*Thaumatias*) *chionura* Gould.

*Lawrencius* Boucard, Gen. Humming Birds, 1895, p. 173. Type, by original designation and monotypy, *P. cupreiceps* Lawrence, i.e. *Eupherusa cupreiceps* Lawrence.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 401-405.

**Elvira chionura** (Gould)

*Trochilus* (*Thaumatias*?) *chionura* Gould, Proc. Zool. Soc. London, pt. 18, 1850 (1851), p. 162. (David, 2000-3000 feet, Chiriquí, Panamá.)

Southwestern Costa Rica and subtropical zone of Chiriquí and Veraguas (Pacific slope).

therefore that the occurrence of any *Eupherusa* in Puebla goes back to Boucard, 1873, but the actual identification must rest on Boucard's specimens, not on his recollection of their identity as published in 1895.

**Elvira cupreiceps** (Lawrence)

*Eupherusa cupreiceps* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 8, 1866, p. 348. (Barranca, Costa Rica.)

Caribbean slope of Costa Rica between 1500 and 3000 feet.

GENUS **MICROCHERA** GOULD

*Microchera* Gould, Monogr. Trochil., pt. 16, Sept., 1858, pl. [12] and text [= 2, pl. 116 of volume]. Type, by monotypy and original designation, *Mellisuga albo-coronata* Lawrence.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 580-583.  
Simon, Hist. Nat. Trochil., 1921, p. 125; 338.

**Microchera albo-coronata parvirostris** (Lawrence)

*Panychlora parvirostris* Lawrence, Proc. Acad. Nat. Sci. Phila., 1865, p. 39. (Angostura, Costa Rica.)

Caribbean slope of Nicaragua and Costa Rica.

**Microchera albo-coronata albo-coronata** (Lawrence)

*Mellisuga albo-coronata* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 6, 1855, p. 137, pl. 4. (Belén, Veragua, Panamá.)

Caribbean slope of western Panamá.

GENUS **CHALYBURA** REICHENBACH

*Agyrtria* ♂ *Chalybura* Reichenbach, Journ. f. Orn., 1, March, 1854, Beil. zu Extrah., p. 10. Type, by subsequent designation, *Trochilus buffonii* Lesson. (Elliot, Classif. Syn. Trochil., 1879, p. 45.)

*Hypuroptila* Gould, Monogr. Trochil., pt. 7, May, 1854, plates [14] & [15] and text [= 2, pl. 89 and 91 of volume]. Type, by subsequent designation, *Trochilus buffonii* Lesson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 20).

*Chlorurisca* Simon, Hist. Nat. Trochil., 1921, p. 129; 340. Type, by original designation, *Hypuroptila isaurae* Gould.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 386-393.  
Simon, Hist. Nat. Trochil., 1921, p. 128-130; 340-341.

**Chalybura buffonii micans** Bangs and Barbour

*Chalybura buffoni* [sic] *micans* Bangs and Barbour, Bull. Mus. Comp. Zool., 55, 1922, p. 204. (Mt. Sapo, eastern Panamá.)

Panamá from the Canal Zone eastward, and the Pacific slope of northwestern Colombia.

**Chalybura buffonii buffonii** (Lesson)

*Trochilus buffonii* Lesson, Les Trochilidées [1832], p. 31, pl. 5. (Brazil; error = Bogotá region of Colombia by designation of Hellmayr and Seilern, Arch. Naturg., 78A, 1912, Heft 5, p. 140.)

*Chalybura buffoni* [sic] *interior* Todd, Ann. Carnegie Mus., **29**, 1942, p. 332. (Santa Elena, Zulia, Venezuela.)

Tropical zone in the middle and upper Magdalena Valley of Colombia and the region south of Lake Maracaibo, Venezuela.

***Chalybura buffonii aeneicauda* Lawrence**

*Chalybura aeneicauda* Lawrence, Proc. Acad. Nat. Sci. Phila., 1865, p. 38. (Venezuela.)

Santa Marta region of Colombia; northern Venezuela east to the State of Miranda.

***Chalybura buffonii caeruleogaster* (Gould)**

*Trochilus (Glaucis?) caeruleogaster* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 96. (No locality.)

*Hypuroptila caeruleogaster* Gould, Monogr. Trochil., pt. 7, 1854, pl. [15] & text [= **2**, pl. 91 of volume]. (Bogotá, or between Bogotá and Popayán.)

Eastern slopes of the Eastern Andes of Colombia.

***Chalybura (buffonii?) intermedia* Hartert and Hartert**

*Chalybura intermedia* Ernst and Claudia Hartert, Nov. Zool., **1**, 1894, p. 44. (Between Poggio and Santa Rosa, western Ecuador.)

Subtropical zone of southwestern Ecuador.

***Chalybura (urochrysia?) melanorrhoa* Salvin**

*Chalybura melanorrhoa* Salvin, Proc. Zool. Soc. London, 1864 (1 April, 1865), p. 585. (Tucuriquí, Costa Rica.)

*Chalybura Carnioli* Lawrence, Proc. Acad. Nat. Sci. Phila., 1865, p. 39. (Angostura, Costa Rica.)

Caribbean lowlands of Nicaragua and Costa Rica, south at least to the Río Sixaola.

***Chalybura urochrysia isaurae* (Gould)**

*Hypuroptila isauræ* Gould, Proc. Zool. Soc. London, August? 1861, p. 199. ("The Bocca del Toro in Costa Rica" i.e. Bocas del Toro, Panamá). *Idem*, Ann. and Mag. Nat. Hist. (3), **8**, September, 1861, p. 268.

*Chalybura* (?) *Isauræ* Gould, Intro. Trochil., 1861, p. 72. (Same type locality.)

Caribbean slope of western Panamá from Almirante Bay to Veraguas; erroneously recorded from Talamanca, Costa Rica.

***Chalybura urochrysia incognita* Griscom**

*Chalybura urochrysa incognita* Griscom, Am. Mus. Novit., no. 293, 1928, p. 3. (Tacarcuna, eastern Panamá.)

Lowlands of eastern Panamá (both slopes).

**Chalybura urochrysia urochrysia** (Gould)

*Hypuroptila urochrysia* Gould, Monogr. Trochil., pt. 22, July, 1861, pl. [7] and text [= 2, pl. 90 of volume]. (Neighborhood of Panamá, error = western Colombia.)

*Hypuroptila urochrysa* Gould, Proc. Zool. Soc. London, August? 1861, p. 198; *Idem*, Ann. and Mag. Nat. Hist. (3), 8, September, 1861, p. 268.

*Chalybura urochrysea* Gould, Intro. Trochil., 1861, p. 72. (Panamá.)  
Tropical zone of western Colombia and northwestern Ecuador.

GENUS **APHANTOCHROA** GOULD

*Aphantochroa* Gould, Monogr. Trochil., pt. 6, Sept. 1853, pl. [14] and text [= 2, pl. 54 of volume]. Type, by original designation and monotypy, *Trochilus cirrochloris* Vieillot.

*cf.* Simon, Hist. Nat. Trochil., 1921, p. 133-134; 342.

**Aphantochroa cirrochloris** (Vieillot)

*Trochilus cirrochloris* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 430. (Brazil = Rio de Janeiro.)

*Aphantochroa cirrochloris ænescens* Simon, Hist. Nat. Trochil., 1921, p. 134, 342. (San Antonio de Barra, Pernambuco, error = near Condeuba, Bahia, Brazil. *cf.* Pinto, Rev. Mus. Paulista, 22, 1938, p. 257, note 3.)

*Aphantochroa cirrochloris longirostris* Simon, Hist. Nat. Trochil., 1921, p. 134, 342. (State of Bahia, Brazil.)

Central and eastern Brazil in states of Matto Grosso, Goyaz, Minas Geraes and the coastal states from Pernambuco to Santa Catharina.

GENUS **LAMPORNIS** SWAINSON<sup>1</sup>

*Lampornis* Swainson, Philos. Mag. (n.s.), 1, June, 1827, p. 442.  
Type, by monotypy, *Lampornis amethystinus* Swainson.

*Cyanolæmus* Stone, Auk, 24, 1907, p. 196, 197. New name to replace *Coeligena* Lesson not applicable. Type, by original designation, *Ornismyia clemenciae* Lesson.

*Leuconympha* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Trochilus viridipallens* Bourcier and Mulsant. Also named as a new genus in Rev. Franç. d'Orn., 6, 1919, p. 53, same type.

*Prodosia* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39.  
Type, by original designation *Oreopyra hemileuca* Salvin. Also

<sup>1</sup> Replaces *Coeligena* Lesson, 1833 of Sharpe's Hand-list, not applicable, and includes *Oreopyra* Gould, 1860.

named as a new genus in Rev. Franç. d'Orn., 6, 1919, p. 53, same type. Spelled *Prodoria* in Hist. Nat. Trochil., 1921, p. 136; 344.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 491-510. (Cyanolaemus, Lampornis and Oreopyra.)

Simon, Hist. Nat. Trochil., 1921, p. 134-135; 342-344 (Coeligena); 136-137; 344-345 (Prodoria [sic] Leuconympha and Oreopyra).

Griscom, Auk, 54, 1937, p. 193-195 (races of *amethystinus*).

Dickey and van Rossem, Proc. Biol. Soc. Wash., 42, 1929, p. 209-212 (races of *viridipallens*).

Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 4-7.

**Lampornis clemenciae bessophilus** (Oberholser)

*Cyanolaemus clemenciae bessophilus* Oberholser, Condor, 20, 1918, p. 181. (Fly Park, Chiricahua Mts. Arizona.)

Mountains of southern Arizona, southwestern New Mexico and the Sierra Madre of northwestern México in states of Sonora and Chihuahua.

**Lampornis clemenciae clemenciae** (Lesson)

*Ornismya Clemenciae* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xlv; [1830], p. 216, pl. 80. (México.)

*Trochilus Topiltzin* De la Llave, Registro Trimestre, 2, 1833, p. 49. (México.)

Chisos Mts. in western Texas and mountains of México in states of Durango, Zacatecas, San Luis Potosí, Nuevo León, Tamaulipas, Vera Cruz, Tlaxcala, México, Morelos, Guanajuato, Michoacán, Jalisco, Guerrero and Oaxaca.

**Lampornis amethystinus amethystinus** Swainson

*Lampornis amethystinus* Swainson, Philos. Mag. (n.s.), 1, June, 1827, p. 442. (Temescáltepec and Real del Monte, México.)<sup>1</sup>

Eastern México in states of San Luis Potosí, Nuevo León, Tamaulipas, Vera Cruz, Hidalgo, México and eastern Oaxaca.

**?Lampornis amethystinus brevirostris** (Ridgway)

*Delatiria henrica brevirostris* Ridgway, Proc. Biol. Soc. Wash., 21, 1908, p. 195, no. 15. (San Sebastian, Jalisco, México.)

Western México in states of Nayarit, Jalisco and Colima; doubtfully distinct from *L. a. margaritae*.

**Lampornis amethystinus margaritae** (Salvin and Godman)

*Delatiria margaritae* Salvin and Godman, Ibis, 1889, p. 239. (Omiteme, 8000 feet, Guerrero, México.)

*Delatiria pringlei* Nelson, Auk, 14, 1897, p. 51. (Fifteen miles west of Oaxaca City, Oaxaca, México.)

Southwestern México in states of Guerrero and western Oaxaca.

<sup>1</sup> Replaces *Ornismya henrica* Lesson and DeLatre, 1839.

**Lampornis amethystinus salvini** (Ridgway)

*Delattria henrica salvini* Ridgway, Proc. Biol. Soc. Wash., **21**, 1908, p. 195, no. 14. (Calderas, 7000-8000 feet, Volcán de Fuego, Guatemala.)

Highlands of Guatemala and adjacent portions of Chiapas and El Salvador.

**Lampornis amethystinus nobilis** Griscom

*Lampornis amethystinus nobilis* Griscom, Proc. New England Zool. Cl., **13**, 1932, p. 58. (Montaña Vasquez, 6500 feet, Dist. of Achagua, Honduras.)

Highlands of Honduras.

**Lampornis viridi-pallens ovandensis** (Brodkorb)

*Oreopyra viridipallens ovandensis* Brodkorb, Occ. Papers Mus. Zool. U. of Mich., no. 401, 1939, p. 5. (Mt. Ovando, 2100 meters, Chiapas.)

Confined to Mt. Ovando, between 1700 and 2100 meters, Chiapas.

**Lampornis viridi-pallens viridi-pallens** (Bourcier and Mulsant)

*Trochilus Viridi-Pallens* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **9**, 1846, p. 321. (Cobán, Vera Paz, Guatemala.)<sup>1</sup>

Highlands of Guatemala and adjacent parts of Chiapas.

**Lampornis viridi-pallens nubivagus** Dickey and van Rossem

*Lampornis viridipallens nubivagus* Dickey and van Rossem, Proc. Biol. Soc. Wash., **42**, 1929, p. 210. (Volcán Santa Ana, 7000 feet, Dept. Santa Ana, El Salvador.)

Upper tropical zone between 5000 and 7000 feet on the Volcán Santa Ana and Cerro los Naranjos, El Salvador; this, or a closely allied form inhabits the highland of western Honduras (Copán, Cerro Pucca, Las Peñitas).

**Lampornis viridi-pallens connectens** Dickey and van Rossem

*Lampornis viridipallens connectens* Dickey and van Rossem, Proc. Biol. Soc. Wash., **42**, 1929, p. 209. (Los Esesmites, 8000 feet, Dept. Chalatenango, El Salvador.)

Known only from the unique type.

**Lampornis viridi-pallens sybillae** (Salvin and Godman)

*Delattria sybillae* Salvin and Godman, Ibis, 1892, p. 327. (Matagalpa, Nicaragua.)

Highlands of northern Nicaragua extending northward into the

<sup>1</sup> This name a *nomen nudum* in Rev. Zool., 1846, p. 316.

mountains of central Honduras (Rancho Quemado, Cerro Cantoral, Montaña Vasquez, Portillo Grande.)

**Lampornis hemileucus** (Salvin)

*Oreopyra hemileuca* Salvin, Proc. Zool. Soc. London, 1864 (1865), p. 584. (Turrialba and Tucurriquí, Costa Rica.)

Caribbean slope of northeastern Costa Rica at elevations between 2000 and 4000 feet; accidental (?) in western Panamá (Chiriquí).

**Lampornis castaneiventris pectoralis** (Salvin)

*Oreopyra pectoralis* Salvin, Ann. and Mag. Nat. Hist. (6), 7, 1891, p. 377. (Costa Rica.)

Mountains of western Nicaragua and northwestern Costa Rica.

**Lampornis castaneiventris calolaema** (Salvin)

*Oreopyra calolaema* Salvin, Proc. Zool. Soc. London, 1864 (1865), p. 584. ("Volcán de Cartago" i.e. Volcán de Irazú, Costa Rica.)

Mountains of northern and central Costa Rica; mountains of western Panamá (?).<sup>1</sup>

**Lampornis castaneiventris castaneiventris** (Gould)

*Trochilus* (——?) *castaneiventris* Gould, Proc. Zool. Soc. London, pt. 18, 1850 (1851), p. 163. (Cordillera de Chiriquí, 6000 feet, Panamá.)<sup>2</sup>

Confined to the Volcán de Chiriquí, western Panamá.

**Lampornis cinereicauda** (Lawrence)

*Oreopyra cinereicauda* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 8, 1867, p. 485. (Costa Rica.)

Confined chiefly to the Dota Mountains in southwestern Costa Rica.<sup>3</sup>

GENUS **LAMPROLAIMA** REICHENBACH

*Heliadoxa*  $\delta$  *Lamprolaima* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 9. Type, by subsequent designation, *Ornismyrrhami* Lesson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 140.) cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 489-491.

<sup>1</sup> Simon *op. cit.* believes that *calolaema* is but a seasonal plumage of *castaneiventris*; while this hardly seems to be the case, nevertheless the throat color of the two forms appears to be an unstable character.

<sup>2</sup> Replaces *Oreopyra leucaspis* Gould, 1860, of Sharpe's Hand-list, cf. Bangs, Proc. Biol. Soc. Wash., 19, 1906, p. 107.

<sup>3</sup> This species is closely related to *castaneiventris*, but should probably be kept specifically distinct, since *calolaema* has been taken in the Dota Mts. and *cinereicauda* has been known to occur at Escazú and in the Candelaria Mts, both localities well within the range of *calolaema*. I am unable to discover on what basis *cinereicauda* is recorded from Chiriquí.

**Lamprolaima rhami rhami** (Lesson)

*Ornismya Rhami* Lesson, Rev. Zool., 1838, p. 315. (México.)

Mountains of southern México in states of Vera Cruz, México, Guerrero, Oaxaca and Chiapas; highlands of Guatemala.

**Lamprolaima rhami saturator** Griscom

*Lamprolaima rhami saturator* Griscom, Proc. New England Zool. Cl., 13, 1932, p. 58. (Cerro Cantoral, 6500 feet, Dist. of Achaga, Honduras.)

Mountains of Honduras and northern El Salvador.

GENUS **ADELOMYIA** BONAPARTE

*Adelomyia* Bonaparte, Rev. et Mag. Zool. (2), 6, 1854, p. 253. Type, by subsequent designation, *Trochilus sabinæ* Bourcier = *Trochilus melanogenys* Fraser. (G. R. Gray, Cat. Gen. Subgen Bds., 1855, p. 141.)

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 304; 55, 1926, p. 314.

Simon, Hist. Nat. Trochil., 1921, p. 137-139; 345-346.

**Adelomyia melanogenys cervina** Gould

*Adelomyia cervina* Gould, Ann. and Mag. Nat. Hist. (4), 10, 1872, 453. (Medellin, Colombia.)

Subtropical zone of the Western and Central Andes of Colombia.

**Adelomyia melanogenys melanogenys** (Fraser)

*Trochilus melanogenys* Fraser, Proc. Zool. Soc. London, pt. 8, 1840, p. 18. (Bogotá, Colombia.)

Subtropical zone of the Eastern Andes of Colombia and the Andes of Mérida, Venezuela.

**Adelomyia melanogenys aeneosticta** Simon

*Adelomyia aeneosticta* Simon, Mém. Soc. Zool. France, 2, 1889, p. 223. (Cumbre de Valencia, Venezuela.)

*Adelomyia aeneotincta* Salvin, Cat. Bds. Brit. Mus., 16, 1892, p. 169 (in key), p. 171. Emendation.

Mountains of central and northern Venezuela (Cumbre de Valencia, Silla de Caracas and Cerro de Avila).

**Adelomyia melanogenys maculata** Gould

*Adelomyia maculata* Gould, Monogr. Trochil., pt. 24, Sept. 1861, pl. [11] and text [= 3, pl. 199 of volume]. (Ecuador, "probable types" in Brit. Mus. from Quito.)

Subtropical zone of Ecuador<sup>1</sup> and northern Perú.

<sup>1</sup> The typical form is the one commonly attributed to eastern Ecuador, but



**Adelomyia melanogenys chlorospila** Gould

*Adelomyia chlorospila* Gould, Ann. and Mag. Nat. Hist. (4), 10, 1872, p. 452. (San Antonio, Paucartambo, Peruvian Andes.)

Mountains of southeastern Perú in Dept. of Cuzco.

**Adelomyia melanogenys inornata** (Gould)

*Trochilus* (———?) *inornata* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 89. (Bolivia.)

Yungas of Bolivia and northwestern Argentina in Prov. of Jujuy.

GENUS **ANTHOCEPHALA** CABANIS AND HEINE

*Anthocephala* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 72, note. Type, by monotypy, *Trochilus floriceps* Gould.

*Simonula* Chubb, Bds. Brit. Guiana, 1, 1916, p. 413, note. New name for *Anthocephala* Cabanis and Heine, on grounds of pre-occupation by *Anthocephalus* Rudolph.

cf. Simon, Hist. Nat. Trochil., 1921, p. 139-140; 347.

**Anthocephala floriceps berlepschi** Salvin

*Anthocephala berlepschi* Salvin, Bull. Brit. Orn. Cl., 3, 1893, p. viii. (Bogotá, Colombia.)

Subtropical zone of the Central Andes of Colombia; Bogotá trade skins.

**Anthocephala floriceps floriceps** (Gould)

*Trochilus* (———?) *floriceps* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (1854), p. 62. (5000 feet, Sierra Nevada de Santa Marta, Colombia.)

Santa Marta Mts. of Colombia between 2000 and 5500 feet.

GENUS **UROSTICTE** GOULD

*Urosticte* Gould, Monogr. Trochil., pt. 6, 1853, pl. [3] and text [= 3, pl. 190 of volume]. Type, by monotypy, *Trochilus benjamini* Bourcier.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 313-314.

Simon, Hist. Nat. Trochil., 1921, p. 140-142; 347-348.

**Urosticte ruficrissa** Lawrence

*Urosticte ruficrissa* Lawrence, Ann. Lyc. Nat. Hist., N. Y., 8, 1864, p. 44. (Ecuador.)

specimens that I have examined from Baeza and Río Oyacachi are referable to *maculata*.

*Urosticte ruficrissa corpulenta* Simon, Hist. Nat. Trochil., 1921, p. 141; 348. (Río Pastassa, Ecuador.)

Subtropical zone of eastern Ecuador.

***Urosticte benjamini rostrata* Hellmayr**

*Urosticte benjamini rostrata* Hellmayr, Verhandl. Orn. Ges. Bayern, 12, 1915, p. 125. (La Selva, 4600 ft., Río Jamoraya, sources of the Río San Juan, Colombia.)

Subtropical zone of western Colombia.

***Urosticte benjamini benjamini* (Bourcier)**

*Trochilus Benjamini* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 187. (Gualea, Ecuador.)

Subtropical zone of Ecuador and southwestern Colombia.

***Urosticte benjamini intermedia* Taczanowski**

*Urosticte intermedia* Taczanowski, Proc. Zool. Soc. London, 1882, p. 36. (Chirimoto and Ray-Urmaña, Perú.)

Northeastern Perú in Dept. of Amazonas.

GENUS **PHLOGOPHILUS** GOULD

*Phlogophilus* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 310.

Type, by monotypy, *Phlogophilus hemileucurus* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 142; 348.

***Phlogophilus hemileucurus* Gould**

*Phlogophilus hemileucurus* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 310. (Banks of the Río Napo.)

Tropical zone of eastern Ecuador.

***Phlogophilus harterti* Berlepsch and Stolzmann**

*Phlogophilus harterti* Berlepsch and Stolzmann, Ibis, 1901, p. 717. (Huanaypata, Perú.)

Marcapata valley, Dept. of Cuzco, Perú.

GENUS **CLYTOLAEMA** GOULD

*Clytolæma* Gould, Monogr. Trochil., pt. 6, Oct., 1853, pl. [2] and text [= 4, pl. 249 of volume]. Type, by monotypy, *Trochilus rubineus* Gmelin = *Trochilus rubricauda* Boddaert.

cf. Simon, Hist. Nat. Trochil., 1921, p. 145-146; 348.

***Clytolaema rubricauda* (Boddaert)**

*Trochilus rubricauda* Boddaert, Table Pl. enlum., 1783, p. 17. (Brazil; based exclusively on Daubenton, Pl. enlum. 276, f. 4, restricted type locality, Rio de Janeiro.)

Southeastern Brazil in states of Goyaz, Minas Geraes, Espirito Santo, Rio de Janeiro, São Paulo, Santa Catharina and Rio Grande do Sul.

# GENUS POLYPLANCTA HEINE

*Polyplancta* Heine, Journ. f. Orn., **11**, 1863, p. 182. Type, by original designation and monotypy, *Trochilus aurescens* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 146; 349.

## *Polyplancta aurescens* (Gould)

*Trochilus (Lampornis) aurescens* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 88. (Rio Negro, Brazil, error = eastern Perú, *fide* Hellmayr, Arch. f. Naturg., **85A**, 1919, Heft 10, p. 116.)

Eastern Ecuador, eastern Perú, southern Venezuela (Mt. Auyan-tepui) and Amazonian Brazil on the Solimoes, Javari and Juruá (Rio Madeira (?)).

# GENUS HELIODOXA GOULD<sup>1</sup>

*Heliodoxa* Gould, Proc. Zool. Soc. London, pt. 17, 1849 (Jan.-June, 1850), p. 95. Type, by subsequent designation, *Trochilus leadbeateri* Bourcier. (Bonaparte, Compt. Rend. Acad. Sci. Paris, **30**, 8 Apr., 1850, p. 380.)

*Heliodoxa* "Gould" Bonaparte, Compt. Rend. Acad. Sci. Paris, **30**, 8 Apr., 1850, p. 380. Type, by original designation, *Trochilus leadbeateri* Bourcier.

*Leadbeatera* Bonaparte, Consp. Av., **1**, Mar., 1850, p. 70. Type, by tautonymy, *Trochilus leadbeateri* Bourcier.<sup>2</sup>

*Smaragdochroa* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Heliodoxa jacula* Gould. Also described as a new genus in Rev. Franç. d'Orn., **6**, 1919, p. 53. Same type.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 570-575. Simon, Hist. Nat. Trochil., 1921, p. 146-147; 349 (*Phaiolaima*); 149-150; 351-352 (*Smaragdochroa*, *Xanthogonys*, *Heliodoxa*).

## *Heliodoxa rubinoides rubinoides* (Bourcier and Mulsant)

*Trochilus rubinoides* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **9**, 1846, p. 322. (Colombia.)<sup>3</sup>

Subtropical zone of the Eastern Andes of Colombia.

<sup>1</sup> Includes *Phaiolaima* Reichenbach, 1854, of Sharpe's Hand-list.

<sup>2</sup> On the basis of the evidence available, I am quite unable to discover whether *Heliodoxa* Gould or *Leadbeatera* Bonaparte is the prior generic name. In using *Heliodoxa* I follow the principle of *auctorum plurimorum*.

<sup>3</sup> This name is a *nomen nudum* in Rev. Zool., 1846, p. 316.

***Heliodoxa rubinoides aequatorialis* (Gould)**

*Phaiolaima aequatorialis* Gould, Monogr. Trochil., pt. 19, May, 1860, pl. [5] and text [= 4, pl. 269 of volume]. (Quito and Pallatanga, Ecuador).<sup>1</sup>

Subtropical zone of the Andes of western Colombia and western Ecuador.

***Heliodoxa rubinoides cervinigularis* (Salvin)**

*Phaolæma cervinigularis* Salvin, Cat. Bds. Brit. Mus., 16, 1892, p. 324 (in key), p. 325, pl. 8, f. 2. (Ecuador?)

*Phaiolaima rubinoides annae* Stolzmann, Ann. Zool. Mus. Polonici Hist. Nat., 5, 1926, p. 210. (Garita del Sol, Montaña de Vitoc, central Perú.)

Subtropical zone of the Andes of eastern Ecuador and Perú.

***Heliodoxa leadbeateri leadbeateri* (Bourcier)**

*Trochilus Leadbeateri* Bourcier, Rev. Zool., Apr. 1843, p. 102. (Caracas, Venezuela.)

*Trochilus Leadbeateri* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 43. (Caracas, Venezuela.)

Subtropical zone of Colombia, western Venezuela, eastern Ecuador, Perú and Bolivia.

***Heliodoxa leadbeateri parvula* Berlepsch**

*Heliodoxa leadbeateri parvula* Berlepsch, Journ. f. Orn., 35, 1887, p. 320. (Bogotá.)

Known from Bogotá trade skins; actual range unknown; recorded by Simon also from the Andes of Mérida, Venezuela, along with the typical form.

***Heliodoxa jacula henryi* Lawrence**

*Heliodoxa henryi* Lawrence, Ann. Lyc. Nat. Hist. New York, 8, 1867, p. 402. (Angostura, Costa Rica.)

*Heliodoxa berlepschi* Boucard, Humming Bird, 2, 1892, p. 75. (Veragua.)

Highlands of Costa Rica and western Panamá.

***Heliodoxa jacula jacula* Gould**

*Heliodoxa jacula* Gould, Proc. Zool. Soc. London, 1849 (Jan.-June, 1850), p. 96. (Bogotá, Colombia.)

Subtropical zone in the mountains of eastern Panamá and the Eastern Andes of Colombia.

<sup>1</sup> This name is a *nomen nudum* in Proc. Zool. Soc. London, 1860, p. 70.

***Heliodoxa jacula jamesoni* (Bourcier)**

*Trochilus Jamersoni* [sic, *err. typ.*] Bourcier, Compt. Rend. Acad. Sci. Paris, **32**, 1851, p. 187. (Warm valley of Calacoli [= Calacali?] Ecuador.)

Subtropical zone of western Ecuador.

***Heliodoxa xanthogonys* Salvin and Godman**

*Heliodoxa xanthogonys* Salvin and Godman, Ibis, 1882, p. 80. (Merumé Mts., British Guiana.)

*Aphantochroa alexandri* Boucard, Humming Bird, **1**, 1891, p. 18. ("Demerara, British Guiana".)

Mts. Duida and Roraima, Venezuela; Merumé Mts. (and lower Mazaruni River?) British Guiana.

GENUS **IONOLAIMA** REICHENBACH

*Heliodoxa*  $\gamma$  *Ionolaima* Reichenbach, Journ. f. Orn., **1**, 1854, Beil. zu Extrah., p. 9. Type, by monotypy, *Trochilus schreibersii* Lodd. i.e. Bourcier.

cf. Simon, Hist. Nat. Trochil., 1921, p. 147; 350 (*sub nom. Iolaema*.)

***Ionolaima schreibersii schreibersii* (Bourcier)**

*Trochilus Schreibersii* Bourcier (ex Loddiges MS.), Proc. Zool. Soc. London, pt. 15, May 1847, p. 43. (Upper Rio Negro, Brazil.)

*Trochilus Schreibersii* Bourcier, Rev. Zool., Aug. 1843, p. 225. (Upper Rio Negro.)

Tropical zone of eastern Ecuador, northeastern Perú and north-western Brazil.

***Ionolaima schreibersii whitelyana* (Gould)**

*Iolaema Whitelyana* Gould, Ann. and Mag. Nat. Hist. (4), **10**, 1872, p. 452. (Cosnipata, Cuzco, Perú.)

Eastern Perú: Cosnipata, Río Cadena and San Gabán.<sup>1</sup>

GENUS **AGAPETA** HEINE

*Agapeta* Heine, Journ. f. Orn., **11**, 1863, p. 178. Type, by monotypy, *Aphantochroa gularis* Gould.

*Agapetornis* Chubb, Bds. Brit. Guiana, **1**, 1916, p. 419, note. New name for *Agapeta* Heine.<sup>2</sup>

cf. Simon, Hist. Nat. Trochil., 1921, p. 130; 341.

<sup>1</sup> cf. Seilern, Ann. naturh. Mus. Wien, **47**, 1936, p. 36.

<sup>2</sup> Those who consider *Agapeta* Heine preoccupied by *Agapete* Newman, 1845 in Coleoptera use *Placophorus* Mulsant, 1875.

**Agapeta gularis** (Gould)

*Aphantochroa* ? *gularis* Gould, Proc. Zool. Soc. London, pt. 28, 1860, p. 310. (Río Napo.)

Tropical zone of eastern Ecuador and northeastern Perú.

GENUS **LAMPRASTER** TACZANOWSKI

*Lampraster* Taczanowski, Proc. Zool. Soc. London, 1874, p. 140.

Type, by monotypy, *Lampraster branickii* Taczanowski.

cf. Simon, Hist. Nat. Trochil., 1921, p. 130-131; 341.

**Lampraster branickii** Taczanowski

*Lampraster branickii* Taczanowski, Proc. Zool. Soc. London, 1874, p. 140, pl. 21, f. 1. (Monterico, Perú.)

Central Perú.

GENUS **EUGENIA** GOULD

*Eugenia* Gould, Proc. Zool. Soc. London, pt. 23, 1855 (22 Jan. 1856), p. 192. Type, by monotypy, *Eugenia imperatrix* Gould.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 305 (range).  
Simon, Hist. Nat. Trochil., 1921, p. 148; 350 (excl. range).

**Eugenia imperatrix** Gould

*Eugenia imperatrix* Gould, Proc. Zool. Soc. London, pt. 23, 1855 (22 Jan. 1856), p. 192. (Andean forests in the neighborhood of Quito.)

Probably inhabits the subtropical zone of the Pacific slope of Ecuador.<sup>1</sup>

GENUS **EUGENES** GOULD

*Eugenes* Gould, Monogr. Trochil., pt. 12, Sept., 1856, pl. [7] and text [= 2, pl. 59 of volume]. Type, by monotypy, *Trochilus fulgens* Swainson.

cf. Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 7-8.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 564-570.

**Eugenes fulgens fulgens** (Swainson)

*Trochilus fulgens* Swainson, Philos. Mag. (n.s.), 1, 1827, p. 441. (Temascáltepec, México.)

<sup>1</sup> Simon records this species from Pasto, Colombia on the basis of spec. *a* in Cat. Bds. Brit. Mus., 16, p. 317; according to Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 651, Pasto is in the arid temperate zone, and while no collections have been made there, it appears to have been a shipping point for a few lots of skins that were apparently secured in the forests of the Pacific slope.

*Trochilus Papantzin* de la Llave, Registro Trimestre, **2**, 1833, p. 49. (México.)

*Eugenes fulgens aureoviridis* van Rossem, Proc. Biol. Soc. Wash., **52**, 1939, p. 7. (Chiricahua Mountains, Cochise County, Arizona.)

Mountains of southern Arizona and southwestern New Mexico southward through the mountains of México to the Isthmus of Tehuantepec.

**Eugenes fulgens viridiceps** Boucard

*Eugenes viridiceps* Boucard, Ann. Soc. Linn. Lyon (2), **25**, 1878, p. 55. (Cobán, Guatemala.)

Mountains of Chiapas, Guatemala, Honduras, western El Salvador and Nicaragua.

**Eugenes fulgens spectabilis** (Lawrence)

*Helimaster spectabilis* Lawrence, Ann. Lyc. Nat. Hist. N. Y., **8**, 1867, p. 472. (Costa Rica.)

*Eugenes spectabilis chiriquensis* Nehr Korn, Orn. Monatsb., **9**, 1901, p. 132. (Chiriquí, Panamá.)

High mountain forests (above 6000 feet) of Costa Rica and western Panamá.

GENUS **HYLONYMPHA** GOULD

*Hylonympha* Gould, Ann. and Mag. Nat. Hist. (4), **12**, 1873, p. 429.

Type, by monotypy, *Hylonympha macrocerca* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 150; 352.

**Hylonympha macrocerca** Gould

*Hylonympha macrocerca* Gould, Ann. and Mag. Nat. Hist. (4), **12**, 1873, p. 429. (Locality not known.)

Range unknown.<sup>1</sup>

GENUS **STERNOCLYTA** GOULD

*Sternoclyta* Gould, Monogr. Trochil., pt. 16, 1858, pl. [6] and text [= **2**, pl. 58 of volume]. Type, by original designation and monotypy, *Trochilus (Lampornis) cyanopectus* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 150-151; 353.

<sup>1</sup> Simon, *loc. cit.* believes that as all the known specimens of this bird are in the old Trinidad trade make, that they were collected by Trinidad hunters somewhere on the opposite mainland of South America between the mouth of the Orinoco and that of the Amazon. My own guess is that since *Hylonympha* is closely allied to *Heliodoxa*, a genus all of whose members are confined to the subtropical zone, the home of *Hylonympha* will be found somewhere in the mountains of Venezuela.

**Sternoclyta cyanopectus** (Gould)

*Trochilus (Lampornis) cyanopectus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 88. (Venezuela; type from Neiguata Plantation, near Camburi Grande, La Guaira.)

Northwestern Venezuela in the mountain valleys from the Andes of Mérida to the Silla de Caracas.

GENUS **TOPAZA** G. R. GRAY

*Topaza* G. R. Gray, List Gen. Bds., 1840, p. 13. Type, by original designation, *T. pella* (L.) = *Trochilus pella* Linné.

cf. Simon, Hist. Nat. Trochil., 1921, p. 151-152; 353-354.

**Topaza pella pella** (Linné)

*Trochilus Pella* Linné, Syst. Nat., ed. 10, 1, 1758, p. 119. ("in Indies" = Surinam, ex Edwards.)

British Guiana and Surinam.

**?Topaza pella smaragdula** (Bosc)

*Trochilus smaragdulus* Bosc, Journ. Hist. Nat. [Paris], 1, 1792, p. 385, pl. 20, f. 5, ♀. (Cayenne.)

*Topaza pella smaragdina* "Bosc," Simon, Hist. Nat. Trochil., 1921, p. 152; 353 (*lapsus*).

Cayenne; doubtfully separable from the nominate form.

**Topaza pella microrhyncha** Butler

*Topaza pella microrhyncha* Butler, Bull. Brit. Orn. Cl., 46, 1926, p. 56. (Matta de Igapo, Utinga, Pará.)

Known only from the south bank of the lower Amazon in the vicinity of the City of Belém.

**Topaza pella pamprepta** Oberholser

*Topaza pella pamprepta* Oberholser, Proc. U. S. Nat. Mus., 24, 1902, p. 321. (Suno, Río Napo, Ecuador.)

Known only from the type locality in eastern Ecuador.

**Topaza pyra** (Gould)

*Trochilus (Topaza) pyra* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 85. (Rio Negro, Brazil.)

Eastern Ecuador and the Rio Negro region of Brazil.<sup>1</sup>

<sup>1</sup> It is quite possible that *T. pyra* is but a variation of *T. pella* in which the lateral rectrices are violaceous black instead of rufus and the tibial tufts black instead of white.



GENUS **OREOTROCHILUS** GOULD

*Oreotrochilus* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 9.

Type, by original designation, *Orthorhynchus estella* d'Orbigny = *Trochilus estella* d'Orbigny and Lafresnaye.

*Gnaphocercus* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Trochilus adela* d'Orbigny and Lafresnaye.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 301-302.

Simon, Hist. Nat. Trochil., 1921, p. 152-155; 354-355.

Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., 17, 1930, p. 279-280.

**Oreotrochilus chimborazo jamesonii** Jardine

*Oreotrochilus jamesonii* Jardine, in Jardine's Contr. Orn., 1849, p. 67. (Summit of Mt. Pichincha, Ecuador.)

Upper border of the Páramo zone of northern Ecuador on Mts. Pichincha, Anstisana, Cotopaxi and Iliniza.

**Oreotrochilus chimborazo söderströmi** Lönnberg and Rendahl

*Oreotrochilus chimborazo söderströmi* Lönnberg and Rendahl, Ark. f. Zool., 14, 1922, no. 25, p. 56. (Foot of Mt. Quillotoa, Ecuador.)

Confined to Mt. Quillotoa, central Ecuador.

**Oreotrochilus chimborazo chimborazo** (DeLattre and Bourcier)

*Trochilus Chimborazo* DeLattre and Bourcier, Rev. Zool., 1846, p. 305. (Mt. Chimborazo, Ecuador.)

Upper border of the Páramo zone on Mt. Chimborazo, central Ecuador.<sup>1</sup>

**Oreotrochilus stolzmanni** Salvin

*Oreotrochilus stolzmanni* Salvin, Nov. Zool., 2, 1895, p. 17. (Huamachuco, 10400 feet and near Cajamarca, 10000 and 12000 feet, Perú.)

Mountains of northern Perú in departments of Cajamarca and Huánuco.

<sup>1</sup> With the exception of *O. adela* which is specifically distinct, all the other members of the genus are almost certainly conspecific; however both *leuco-pleurus* and *estella* are recorded from the same localities in Argentina (probably, as has been pointed out by Zimmer, *antea*, due to local migratory movements), consequently the safest course is to retain rather narrow specific limits in this group.

**Oreotrochilus melanogaster** Gould

*Oreotrochilus melanogaster* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 10. (No locality.)

Mountains of central Perú in Department of Junín.

**Oreotrochilus estella** (d'Orbigny and Lafresnaye)

*Trochilus Estella* d'Orbigny and Lafresnaye, Syn. Av. in Mag. Zool., 1838, cl. 2, p. 32. (La Paz and Potosí, Bolivia.)

Southern Perú in departments of Puno and Tacna; western Bolivia; northwestern Argentina in provinces of Jujuy, Salta and Tucumán; northern Chile in the Province of Tarapacá.

**Oreotrochilus bolivianus** Boucard

*Oreotrochilus bolivianus* Boucard, Humming Bird, 3, 1893, p. 7, part, ♂. (Bolivia; the restricted type locality may be considered as Lagonillas, 3500 metres, long. 66° W, lat. 16° S. Department of Cochabamba, Bolivia, cf. Berlioz and Rousseau-Decelle, Ois. et Rev. Franç. d'Orn. (n.s.), 3, 1933, p. 343-345.)

Mountains of central Bolivia in Department of Cochabamba.

**Oreotrochilus leucopleurus** Gould

*Oreotrochilus leucopleurus* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 10. (Chilean Cordilleras.)

Chile in the cordilleras of the central provinces from southern Antofagasta to Colchagua; western Argentina in the mountainous parts of the provinces of Jujuy, Salta, Catamarca, Tucumán, La Rioja and Mendoza; southern Bolivia in Dept. of Tarija.

**Oreotrochilus adela** (d'Orbigny and Lafresnaye)

*Trochilus Adela* d'Orbigny and Lafresnaye, Syn. Av. in Mag. Zool., 1838, cl. 2, p. 33. (Chuquisaca, Bolivia.)

Mountains of central Bolivia in departments of Cochabamba, Potosí and Chuquisaca.

GENUS **UROCHROA** GOULD

*Urochroa* Gould, Monogr. Trochil., pt. 12, 1856 pl. [11] and text, [= 2, pl. 57 of volume]. Type, by original designation and monotypy, *Trochilus bougueri* Bourcier.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 302-303.

Simon, Hist. Nat. Trochil., 1921, p. 155-156; 355.

**Urochroa bougueri bougueri** (Bourcier)

*Trochilus Bougueri* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 186. ("Les grands bois (régions chaudes) de Nanegan" [= Nanegal], Ecuador.)

Subtropical zone of southwestern Colombia and northwestern Ecuador.

**Urochroa bougueri leucura** Lawrence

*Urochroa leucura* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 8, 1864, p. 43. (Ecuador.)

Subtropical zone of eastern Ecuador.

GENUS **PATAGONA** G. R. GRAY

*Patagona* G. R. Gray, List Gen. Bds., 1840, p. 14. Type, by original designation and monotypy, *Trochilus gigas* Vieillot.

cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 19, 1932, p. 230-233.

Simon, Hist. Nat. Trochil., 1921, p. 156-157; 355-356.

**Patagona gigas peruviana** Boucard

*Patagona peruviana* Boucard, Gen. Humming Bds., 1895, p. 61, in text. (Perú, type from Tinta, Dept. of Cuzco.)

*Patagona boliviana* Boucard, Gen. Humming Bds., 1895, p. 61, in text. (Bolivia.)

Andes of Ecuador, Perú, Bolivia, and extreme northern Chile in Province of Tacna; the breeding bird of northwestern Argentina (in provinces of Jujuy, Catamarca and Tucumán) is probably referable to this race.

**Patagona gigas gigas** (Vieillot)

*Trochilus gigas* Vieillot, Gal. Ois., 1, 1824, p. 296, pl. 180. (Brazil, error = Chile, restricted to Valparaiso by Hellmayr, *antea*, p. 230.)

Central provinces of Chile from Atacama to Concepción, occasionally south to Valdivia; recorded definitely from western Argentina in provinces of Catamarca and Tucumán; the birds recorded from La Rioja and Mendoza doubtless are referable here.

GENUS **AGLAEACTIS** GOULD

*Aglæactis* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 11. Type, by subsequent designation, *Trochilus cupripennis* Bourcier. (Elliot, Classif. Syn. Trochil., 1879, p. 185.)<sup>1</sup>

cf. Simon, Hist. Nat. Trochil., 1921, p. 158-159; 356-357.

**Aglæactis cupripennis cupripennis** (Bourcier)

*Trochilus cupripennis* Bourcier, Rev. Zool., Mar., 1843, p. 71. (Colombia.)

*Trochilus Cupripennis* Bourcier and Mulsant, Ann. Sci. Phys. et

<sup>1</sup> G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22 designates *Trochilus cupri-ventris* Bourcier as type of this genus. Doubtless this is a *lapsus* for *cupripennis*, nevertheless the designation is invalid since *cupri-ventris* is a *nomen nudum*.

Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 46. (No locality.)

*Aglaïactis aequatorialis* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 70, note 5. (Chimborazo, Ecuador.)

Temperate zone of all three ranges of the Andes of Colombia and Andes of northern and central Ecuador.

***Aglaeactis cupripennis parvulus* Gould**

*Aglaeactis parvula* Gould, Intro. Trochil., 1861, p. 106. (Perú or Bolivia.)

Temperate zone of southern Ecuador in provinces of Del Oro and Azuay, and of northern Perú in departments of Cajamarca and Amazonas.

***Aglaeactis cupripennis ruficauda* Carriker**

*Aglaeactis cupreipennis ruficauda* Carriker, Proc. Acad. Nat. Sci. Phila., 85, 1933, p. 7. (Patas, 10,000 feet, western slope of the eastern Cordillera, Dept. Libertad, Perú.)

Western slopes of the eastern Cordillera of Perú from Cajamarquilla to Patas.

***Aglaeactis cupripennis caumatonotus* Gould**

*Aglaeactis caumatonotus* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 12. (Perú, type from Ecachipata [*i.e.* Cachupata] district, 11,000 feet, *ex* Monogr. Trochil., Suppl., 1880, pl. [49]).

Temperate zone of central Perú in depts. of Junín (Maraynioc), Ayacucho (Ayacucho and Matara) and Cuzco (Cachupata).

***Aglaeactis aliciae* Salvin<sup>1</sup>**

*Aglaeactis aliciae* Salvin, Bull. Brit. Orn. Cl., 5, 1896, p. xxiv. (Suecha, 10,000 feet, Perú.)

Northern Perú in depts. of Libertad (Huamachuco) and Ancash (Suecha).

***Aglaeactis castelnaudii* (Bourcier and Mulsant)**

*Trochilus Castelnaudii* Bourcier and Mulsant, Rev. Zool., 1848, p. 270. (South America, *i.e.* Mountains near Cuzco, Perú.)

Temperate zone of central Perú in depts. of Huánuco, Cuzco, and Junín (Acancocha).

***Aglaeactis pamela* (d'Orbigny)**

*Ornismya Pamela* d'Orbigny, Mag. Zool., 1838, cl. 2, p. 29. (Yungas, Bolivia.)

Temperate zone of the Andes of Bolivia.

<sup>1</sup> This species probably belongs to the *cupripennis* group; it is practically a counterpart of *caumatonotus* but without resescent tints, these being replaced with white.

## GENUS LAFRESNAYA BONAPARTE

*Lafresnaya* Bonaparte, Consp. Av., 1, Mar. 1850, p. 68. Type, by virtual tautonymy, *Trochilus lafresnayi* Boissoneau.

cf. Simon, Hist. Nat. Trochil., 1921, p. 160-161; 357-358.

Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., 17, 1930, p. 281-282.

**Lafresnaya lafresnayi liriopae** Bangs

*Lafresnayeia liriopae* Bangs, Proc. Biol. Soc. Wash., 23, 1910, p. 105. (Páramo de Chirua, 11,000 feet, Sierra Nevada de Santa Marta, Colombia.)

Santa Marta Mts. in Colombia and the Andes of Mérida, Venezuela.

**Lafresnaya lafresnayi lafresnayi** (Boissoneau)

*Trochilus La Fresnayi* Boissoneau, Rev. Zool., 1840, p. 8. (Bogotá, Colombia.)

Subtropical and temperate zones of the Central and Eastern Andes of Colombia.

**Lafresnaya lafresnayi saül** (DeLattre and Bourcier)

?*Trochilus Gayi* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846 (before Nov.), p. 325. (No locality.)<sup>1</sup>

*Trochilus Saül* DeLattre and Bourcier, Rev. Zool., Nov., 1846, p. 309. (Environs of Quito, Ecuador.)

Temperate zone of the Western Andes of Colombia, Andes of Ecuador and of northern Perú.

**Lafresnaya lafresnayi rectirostris** Berlepsch and Stolzmann

*Lafresnayeia saul rectirostris* Berlepsch and Stolzmann, Proc. Zool. Soc. London, 1902, vol. 2, p. 24. (Maraynioc, Perú.)

Temperate zone of the Andes of central Perú.

## GENUS PTEROPHANES GOULD

*Pterophanes* Gould, Monogr. Trochil., pt. 1, 1849, pl. [7] and text [= 3, pl. 178 of volume]. Type, by monotypy, *Ornismya temminckii* Boissoneau (not of Lesson, 1829) = *Trochilus cyanopterus* Fraser.

cf. Peters, Bull. Mus. Comp. Zoöl., 92, 1943, p. 301-302.

Simon, Hist. Nat. Trochil., 1921, p. 164; 358.

<sup>1</sup> Brabourne and Chubb, Bds. So. Am., 1912, p. 131, designate "Venezuela," but Zimmer, *antea* has shown that there are no grounds for such a designation, and proposes that the name *gayi* be dropped as unidentifiable in the absence of the types.

**Pterophanes cyanopterus cyanopterus** (Fraser)

*Ornismya Temminckii* Boissoneau, Rev. Zool., 1839, p. 354. (Bogotá, Colombia.) Not *Ornismya temminckii* Lesson, 1829.

*Trochilus cyanopterus* Loddiges' MSS., Fraser, Proc. Zool. Soc. London, pt. 8, 1840, p. 17. (Bogotá, Colombia.)

Temperate zone of the Andes of Colombia and Ecuador.

**Pterophanes cyanopterus peruvianus** Boucard

*Pterophanes peruvianus* Boucard, Gen. Humming Bds., 1895, p. 263, in text. (Perú.)

Temperate zone of the Andes of Perú and northern Bolivia.

GENUS **COELIGENA** LESSON<sup>1</sup>

*Coeligena* Lesson, Les Trochilidéés [1833], Index Gén., p. xviii. Type, by tautonymy, *Ornismya coeligena* Lesson.

*Helianthea* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 11. Type, by tautonymy, *Ornismya helianthea* Lesson.

*Bourcieria* Bonaparte, Consp. Av., 1, Mar., 1850, p. 73. Type, by subsequent designation, *Ornismya torquata* Boissoneau. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 140.)

*Helianthea* γ *Hypochrysis* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 9. Type, by subsequent designation, *Trochilus bonapartei* Boissoneau. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 140.)

*Bourcieria* α *Conradina* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by monotypy, *Trochilus conradii* Bourcier.

*Bourcieria* β *Homophania* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by monotypy, *Trochilus prunellei* Bourcier.

*Bourcieria* γ *Lampropygia* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 10. Type, by monotypy, *Trochilus wilsoni* DeLatre and Bourcier.

*Diphogena*<sup>2</sup> Gould, Monogr. Trochil., pt. 8, Oct., 1854, pl. [1] and text [= 4, pl. 247 of volume]. Type, by original designation, *Helianthea iris* Gould.

<sup>1</sup> Replaces *Helianthea* Gould for the following reasons: The genus *Coeligena* as originally constituted contained three species, *Ornismya clemenciae* Lesson, *Ornismya coeligena* Lesson and *Ornismya rivolii* Lesson [= *Trochilus fulgens* Swainson]. In List Gen. Bds., 1840, p. 14, G. R. Gray designated the first of these as type of the genus, but his designation is superfluous since *Ornismya coeligena* is automatically the type by tautonymy.

<sup>2</sup> Often spelled *Diphlogena* or *Diphlogaena*.

- Polyaena* Heine, Journ. f. Orn., **11**, 1863, p. 215. Type, by subsequent designation, *Ornismia torquata* Boissoneau. (Elliot, Classif. Syn. Trochil., 1878, p. 74.)
- Calligenia* Mulsant, Cat. Ois.-Mouches, 1875, p. 20. Type, by subsequent designation, *Trochilus luteiae* DeLatre and Bourcier. (Elliot, Classif. Syn. Trochil., 1878, p. 70.)
- Eudrosia*<sup>1</sup> Mulsant, Cat. Ois.-Mouches, 1875, p. 20. Type, by subsequent designation, *Diphlogaena traviesi* Mulsant, J. and E. Verreaux. (Elliot, Classif. Syn. Trochil., 1878, p. 74.)
- Pilonia* Mulsant, in Mulsant and E. Verreaux, Hist. Nat. Ois.-Mouches, **3**, 1877, p. 2 (in key), p. 4. Type, by subsequent designation, *Trochilus prunellei* Bourcier. (Elliot, Classif. Syn. Trochil., 1878, p. 74.)
- Leucuria* Bangs, Proc. Biol. Soc. Wash., **12**, 1898, p. 173. Type, by original designation and monotypy, *Leucuria phalerata* Bangs.
- Coeliola* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Ornismya coeligena* Lesson.
- Lampropygia* (*Pseudohomophania*) Simon, Hist. Nat. Trochil., 1921, p. 163 (in key), 171, 362. Type, by subsequent designation, *Trochilus wilsoni* DeLatre and Bourcier. (Richmond, Proc. U. S. Nat. Mus., **70**, 1927, art. 15, p. 31).
- Lampropygia* (*Pseudocaligena*) Simon, Hist. Nat. Trochil., 1921, p. 163 (in key) p. 171, 363. Type, by subsequent designation, *Ornismya coeligena* Lesson. (Richmond, Proc. U. S. Nat. Mus., **70**, 1927, art. 15, p. 30).
- Helianthea* (*Pseudodiphlogæna*) Simon, Hist. Nat. Trochil., 1921, p. 163 (in key), p. 166; 360. Type, by subsequent designation, *Trochilus violifer* Gould. (Richmond, Proc. U. S. Nat. Mus., **70**, 1927, art. 15, p. 31).
- cf. Simon, Hist. Nat. Trochil., 1921, p. 161-175; 358-365 (excluding genera nos. 1, 7 and 10).
- Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), **6**, 1936, p. 198-212 (excluding *Docimastes* and *Pterophanes*).
- Coeligena coeligena ferruginea* (Chapman)**
- Helianthea caligena ferruginea* Chapman, Bull. Am. Mus. Nat. Hist., **36**, 1917, p. 298. (San Antonio, 6600 feet, above Cali, Western Andes, Colombia.)
- Subtropical zone of the Western Andes of Colombia, and the Central Andes east to the Río Toché.
- Coeligena coeligena columbiana* (Elliot)**
- Lampropygia columbiana* Elliot, Ibis, 1876, p. 57. (Vicinity of Bogotá, Colombia.)

<sup>1</sup> Sometimes misspelled *Eudrosia*.

Subtropical zone on the eastern slope of the Central Andes and in the Eastern Andes of Colombia, southward on the eastern slopes of the Andes in Ecuador; mountains of Venezuela in State of Lara.

**Coeligena coeligena boliviana** (Gould)

*Lampropygia Boliviana* Gould, Intro. Trochil., 1861, p. 137. (Bolivia.)

*Lampropygia columbiana obscura* Berlepsch and Stolzmann, Proc. Zool. Soc. London, 1902, vol. 2, p. 23. (Vitoc, Central Perú.)

Subtropical zone of the Andes of Perú and Bolivia.

**Coeligena coeligena coeligena** (Lesson)

*Ornismya coeligena* Lesson, Les Trochilidées [1833], p. 141, pl. 53. (México, error = Venezuela.)

Subtropical zone of the coastal mountains of Venezuela.

**Coeligena wilsoni** (DeLattre and Bourcier)

*Trochilus Wilsoni* DeLattre and Bourcier, Rev. Zool., 1846, p. 305. (Juntas, near Buenaventura, Colombia.)

Subtropical zone of the Western Andes in southwestern Colombia and the Andes of western Ecuador.

**Coeligena prunellei** (Bourcier)

*Trochilus Prunellei* Bourcier, Rev. Zool., March, 1843, p. 70. (Facativa, Colombia.)

*Trochilus Prunelli* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 36, pl. 1.<sup>1</sup>

?*Bourcieria assimilis* Elliot, Classif. Syn. Trochil., 1879, p. 78. (Ecuador?).<sup>2</sup>

Subtropical (?) zone of the Eastern Andes of Colombia.

**Coeligena torquata torquata** (Boissoneau)

*Ornismia torquata* Boissoneau, Rev. Zool., 1840, p. 6. (Bogotá, Colombia.)

Subtropical zone of the Western, Central and Eastern Andes of Colombia and the eastern slopes of the Andes in Ecuador.

**Coeligena torquata fulgidigula** (Gould)

*Bourcieria fulgidigula* Gould, Monogr. Trochil., pt. 7, May, 1854,

<sup>1</sup> The plate is lettered "Le Prunelle".

<sup>2</sup> The distribution of *C. prunellei* is but imperfectly known; it is possible that *assimilis* is a valid form occupying one slope of the Eastern Andes while *prunellei* inhabits the other; it is equally possible, as suggested by Berlioz, that *assimilis* represents individual variants, perhaps influenced by age or sex. In any event *assimilis* and *prunellei* are both found in some lots of Bogotá trade skins.



pl. [9] and text [= 4, pl. 252 of volume]. ("Northern parts of the Peruvian Andes, including Ecuador.")

Subtropical zone of the western slopes of the Andes in Ecuador.

***Coeligena torquata insectivora* (Tschudi)**

*Trochilus insectivorus* Tschudi, Arch. f. Naturg., 10, 1844, Bd. 1, p. 298. (Perú.)

Andes of northern and central Perú.

***Coeligena torquata conradii* (Bourcier)**

*Trochilus Conradii* Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 45. (Vicinity of Caracas.) Also described, Rev. Zool., Aug., 1847, p. 25.

Andes of Mérida in northwestern Venezuela, and adjacent parts of northeastern Colombia.

***Coeligena (torquata?) inca* (Gould)**

*Bourcieria inca* Gould, in Jardine's Contr. Orn., 1852, p. 136. (Coroico, Bolivia.)

Andes of southern Perú (in depts. of Cuzco and Carabaya) and northern Bolivia.

***Coeligena phalerata* (Bangs)**

*Leucuria phalerata* Bangs, Proc. Biol. Soc. Wash., 12, 1898, p. 174. (Macotama, 8000 feet, error<sup>1</sup> = San Miguel, Santa Marta Mts., Colombia.)

Confined to the subtropical zone of the Santa Marta Mts.

***Coeligena eos* (Gould)**

*Helianthea Eos* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 11. ("Highlands of New Grenada [error] and Venezuela.")

Temperate zone of the Andes of Mérida in northwestern Venezuela.

***Coeligena bonapartei* (Boissoneau)**

*Ornismia bonapartei* [sic] Boissoneau, Rev. Zool., 1840, p. 6. (Bogotá.)

Temperate zone of the western slopes of the Eastern Andes of Colombia.

***Coeligena helianthea* (Lesson)**

*Ornismya helianthea* Lesson, Rev. Zool., 1838, p. 314. (Bogotá.)

Temperate zone of the Eastern Andes of Colombia.

***Coeligena lutetiae* (DeLattre and Bourcier)**

*Trochilus Lutetiæ* DeLattre and Bourcier, Rev. Zool., 1846, p. 307. (Purace Volcano, near Popayán, Colombia.)

<sup>1</sup> cf. Todd and Carriker, Ann. Carnegie Mus., 14, 1922, p. 255.

*Helianthea hamiltoni* Goodfellow, Bull. Brit. Orn. Cl., **10**, 1900, p. xlviii. (Papallacta, near Antisana, Ecuador.)

Temperate zone of the Central Andes of Colombia and the Andes of Ecuador.

**Coeligena violifer dichrourea** (Taczanowski)

*Helianthea dichrourea* "Jelski MS" Taczanowski, Proc. Zool. Soc. London, 1874, p. 138. (Maraynioc, Perú.)

Temperate zone in the mountains of northern and central Perú in depts. of Huánuco and Junín.

**Coeligena violifer osculans** (Gould)

*Helianthea osculans* Gould, Proc. Zool. Soc. London, 1871, p. 503. (Cachupata and Huasampilla, Perú; the types claimed in Cat. Bds. Brit. Mus. are the Cachupata specimens.)

Temperate zone in the mountains of southern Perú in Dept. of Cuzco.

**Coeligena violifer violifer** (Gould)

*Trochilus* (———?) *violifer* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 87. (Sandillani Road, Yungas, Bolivia.)

Temperate zone in the mountains of northwestern Bolivia in depts. of La Paz and Cochabamba.

**Coeligena iris hesperus** (Gould)

*Diphlogæna Hesperus* Gould, Ann. and Mag. Nat. Hist. (3), **15**, 1865, p. 129. (Cuenca, Ecuador.)

Arid temperate zone of the Andes of south-central Ecuador in the region about Cuenca.

**Coeligena iris iris** (Gould)

*Helianthea Iris* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (25 July, 1854), p. 61. (Eastern slopes of the Andes.)

*Diphlogena iris* Gould, Monogr. Trochil., pt. 8, Oct. 1854, pl. [1] and text [= **4**, pl. 247 of volume]. (Perú.)

Arid temperate zone of southern Ecuador in the region above Loja.<sup>1</sup>

**Coeligena iris aurora** (Gould)

*Helianthea Aurora* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (25 July, 1854), p. 61. (Eastern slope of the Andes.)

Range imperfectly known; probably the temperate zone of southern Ecuador (Jaen<sup>2</sup>) and northern Perú in Department of Cajamarca (Cutervo).

<sup>1</sup> Simon appears to be in error in recording *hesperus* and *iris* both from Cuenca and Loja.

<sup>2</sup> This locality was formerly in the Dept. of Cajamarca, Perú; readjustment of the Ecuador-Peruvian border now places Jaen in Ecuador.

**?Coeligena iris fulgidiceps** (Simon)

*Diphlogæna Iris fulgidiceps* Simon, Hist. Nat. Trochil., 1921, p. 175; 364. (Leimabamba and Levanto, Perú.)

Temperate zone of northern Perú east of the Marañon in Department of Amazonas (Leimabamba and Levanto). Doubtfully distinct.

**?Coeligena iris hypocrita** (Simon)

*Diphlogæna Iris hypocrita* Simon, Hist. Nat. Trochil., 1921, p. 174; 364. (Chachapoyas, Tamiapampa and forest of Nancho.)

Temperate zone of northern Perú east of the Marañon in Department of Amazonas (Chachapoyas and Tamiabamba). Doubtfully distinct.

**Coeligena iris eva** (Salvin)

*Diphlogæna eva* Salvin, Bull. Brit. Orn. Cl., 6, 1897, p. xxx. (Suecha, i.e. Suecha, Cajamarca, Perú.)

Temperate zone of northern Perú west of the Marañon in Department of Cajamarca (Otuzco, Huamachuco, Cajabamba).

NOTE. The following are hybrids, according to Berlioz, *Antea*, p. 211-212.

*Diphlogæna* (*Helianthea*) *Traviesi* Mulsant and E. Verreaux, Ann. Soc. Linn. Lyon (n.s.), 1866 (15 Jan. 1867), p. 199. (Colombia.) Col. pl., *idem.* (n.s.), 15, 1867 (1868), frontispiece, is a hybrid *Coeligena torquata* x *Coeligena lutetiae*. Known from a dozen or more skins found in Bogotá trade lots.

*Cœligena purpurea* Gould, Monogr. Trochil., pt. 8, 1854, pl. [12] and text [= 4, pl. 256 of volume]. (Popayán, Colombia) is a hybrid, *Coeligena prunellei* x *Coeligena c. columbiana*. Known from two specimens.

*Apatelesia* Simon, Hist. Nat. Trochil., 1921, p. 162 (in key), p. 170; 361. Type, by monotypy, *Homophania lawrencei* Boucard.

*Homophania lawrencei* Boucard, Humming Bird, 2, 1892, p. 87. (Bogotá trade skin) is a hybrid, *Coeligena torquata* x *Lafresnaya lafresnayi*. The type remains unique.

**GENUS ENSIFERA LESSON<sup>1</sup>**

*Ensifera* Lesson, Écho du Monde Savant, 1843, col. 734. Type, by monotypy, *Ornismya ensifera* Boissoneau.

*cf.* Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 308.

Simon, Hist. Nat. Trochil., 1921, p. 172; 363-364.

<sup>1</sup> Replaces *Docimastes* Gould, 1849, *cf.* Richmond, Auk, 19, 1902, p. 92.

**Ensifera ensifera ensifera** (Boissoneau)

*Ornismya ensifera* Boissoneau, Rev. Zool., 1839, p. 354. (Bogotá, Colombia.)

Andes of Mérida, Venezuela; Western, Central and Eastern Andes of Colombia; Andes of Ecuador and of northern and central Perú; northern Bolivia (Incachaca).

**?Ensifera ensifera caerulescens** (W. P. Lowe)

*Docimastes ensiferus caerulescens* W. P. Lowe, Ibis, 1939, p. 73. (South America.)

Based on a single specimen of unknown locality; requires confirmation.

GENUS **SEPHANOIDES** G. R. GRAY<sup>1</sup>

*Sephanoides* G. R. Gray, List Gen. Bds., 1840, p. 14. Type, by monotypy and tautonymy, *S. Kingii* (Vigors) = *Orthorhynchus sephanoides* Lesson and Garnot.

cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 19, 1932, p. 233-235.

Simon, Hist. Nat. Trochil., 1921, p. 175-176; 365-366 (*Eustephanus* and *Thaumaste*).

Wetmore, Bull. U. S. Nat. Mus., no. 133, 1926, p. 230-231.

**Sephanoides sephanoides** (Lesson)

?*Trochilus galeritus* Molina, Sagg. Stor. Nat. Chile, 1782, p. 247. (Chile.)

*Orthorhynchus sephanoides* Lesson, Voy. 'Coquille,' Atlas, 1826 (1827), pl. 31, f. 2; Zool, 1, 1826 (1830), p. 681. (Concepcion Bay, Talcahuano, Chile.)

*Eustephanus burtoni* Boucard, Humming Bird, 1, 1891, p. 18. (Chile.)

Chile generally, from Atacama to the Straits of Magellan including Chiloé Island; Mas a Tierra Island; western Argentina in territories of Neuquen, Río Negro and Chubut.

**Sephanoides fernandensis**<sup>2</sup> *fernandensis* (King)

*Trochilus Fernandensis* King, Proc. Comm. Zool. Soc. London, pt. 1, 1830-31 (1831), p. 30. (Island of Juan Fernandez.) ♂

*Trochilus Stokesii* King, Proc. Comm. Zool. Soc. London, pt. 1, 1830-31 (1831), p. 30. (Island of Juan Fernandez.) ♀

Island of Mas a Tierra.

<sup>1</sup> Replaces *Eustephanus* Reichenbach, 1849, of Sharpe's Hand-list.

<sup>2</sup> *Thaumaste* Reichenbach is employed by some as a monotypic genus for *fernandensis* but to my mind the characters on which the genus is based are of specific rather than of generic value.

**Sephanoides fernandensis leyboldi** (Gould)

*Eustephanus Leyboldi* Gould, Ann. and Mag. Nat. Hist. (4), 6, 1870, p. 406. (Mas Afuera Island.)

Mas Afuera Island.

GENUS **BOISSONNEAUA** REICHENBACH

*Boissonneaua* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 11. Type, by monotypy, *Trochilus flavescens* Loddiges.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 300; 55, 1926, p. 310.

Simon, Hist. Nat. Trochil., 1921, p. 178; 386 (*sub nom.* *Boissonneauxia*).

**Boissonneaua flavescens flavescens** (Loddiges)

*Trochilus flavescens* Loddiges, Proc. Comm. Zool. Soc. London, pt. 2, 1832, p. 7. (Popayán, Colombia.)

Upper subtropical and lower temperate zones in the Andes of Mérida, Venezuela, and all three ranges of the Andes of Colombia.

**Boissonneaua flavescens tinochlora** Oberholser

*Boissonneaua flavescens tinochlora* Oberholser, Proc. U. S. Nat. Mus., 24, 1902, p. 329. (West side of Corazón, Ecuador.)

Temperate zone of western Ecuador.

**Boissonneaua matthewsii** (Bourcier)

*Trochilus Matthewsii* Bourcier (*ex* Loddiges MS), Proc. Zool. Soc. London, pt. 15, 1847, p. 43. (Perú.)

*Trochilus Matthewsii* (Lodd. MSS inéd.) Bourcier, Rev. Zool., Aug., 1847, p. 255. (Perú.)

Subtropical zone of Ecuador and Perú.

**Boissonneaua jardini** (Bourcier)

*Trochilus Jardini* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 187. (Nanegal, Ecuador.)

Subtropical zone of the Western Andes of Colombia and Andes of western Ecuador.

GENUS **HELIANGELUS** GOULD

*Heliangelus* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 12.

Type, by subsequent designation, *Trochilus clarissae* [*i.e.* *Ornis-myia clarisse*] Longuemare. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22).

*Heliotrypha* Gould, Monogr. Trochil., pt. 5, 1853, pl. [1] and text [= 4, pl. 241 of volume]. Type, by original designation, *Heliotrypha viola* Gould.

*Aeronympha* Oberholser, Proc. Biol. Soc. Wash., 18, 1905, p. 161.

Type, by original designation and monotypy, *Aeronympha pro-santis* Oberholser = *Heliangelus rothschildi* Boucard.

cf. Simon, Hist. Nat. Trochil., 1921, p. 179-182; 366-370.

### ***Heliangelus mavors* Gould**

*Heliangelus mavors* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 12. (Cordilleras of Venezuela and Colombia).

Andes of northeastern Colombia (Páramos of Portachuelo and Zumbador) and of western Venezuela.

### ***Heliangelus clarisse spencei* (Bourcier)**

*Trochilus Spencei* Bourcier, Proc. Zool. Soc. London, pt. 15, May, 1847, p. 46. (Mérida, Venezuela.)

*Trochilus Spencei* Bourcier, Rev. Zool., August, 1847, p. 258. (Mérida, Venezuela.)

Andes of Mérida, western Venezuela.

### ***Heliangelus clarisse clarisse* (Longuemare)**

*Ornismya clarisse* Longuemare, Rev. Zool., 1841, p. 306. (Bogotá, Colombia.)

*Heliangelus claudia* Hartert, Nov. Zool., 2, 1895, p. 484. (Bogotá, Colombia.) Aberration, known only from trade skins.

? *Heliangelus Clarissæ* var. *fulvicrissa* Simon, Hist. Nat. Trochil., 1921, p. 179; 367. (Bogotá, Colombia.) Trade skin.<sup>1</sup>

Northern Colombia: Bogotá (trade skins) and Eastern Andes in State of Norte de Santander; western Venezuela: Páramo de Tamá.

### ***Heliangelus amethysticollis laticlavus* Salvin**

*Heliangelus laticlavus* Salvin, Ann. and Mag. Nat. Hist. (6), 7, 1891, p. 376. (Intac, Ecuador.) Col. pl., Cat. Bds. Brit. Mus., 16, 1892, pl. 5, f. 1.

Temperate zone of southern Ecuador south to central Perú.

### ***Heliangelus amethysticollis amethysticollis* (d'Orbigny and Lafresnaye)**

*Ornismya amethysticollis* d'Orbigny and Lafresnaye, Syn. Av. in Mag. Zool., 1838, cl. 2, p. 31. (Yuracares, Cochabamba, Bolivia = eastern slope of the Cordilleras in the country of the Yuracares, ex Gould, Monogr. Trochil.)

Southern Perú and Bolivia.<sup>2</sup>

<sup>1</sup> Simon, *loc. cit.*, suggests that this may be a hybrid between *Heliangelus c. clarisse* and *Boissonneaua flavescens*.

<sup>2</sup> The record for Ecuador is doubtless an error.

***Heliangelus strophianus* (Gould)**

*Trochilus* (——?) *strophianus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 45. (No type locality = western Ecuador.)

? *Heliangelus violicollis* Salvin, Ann. and Mag. Nat. Hist. (6), 7, 1891, p. 376. (Sarayacú, Ecuador.)<sup>1</sup>

***Heliangelus exortis* (Fraser)**

*Trochilus exortis* Fraser, Proc. Zool. Soc. London, pt. 8, 1840, p. 14. (Guaduas, Colombia.)

*Heliangelus exortis soderstromi* Oberholser, Proc. U. S. Nat. Mus., 24, 1902, p. 334. (Lower west side of Corazón, Ecuador.)

Temperate zone of the Western and Central Andes, subtropical zone of the Eastern Andes of Colombia and of eastern (and western?) Ecuador.

***Heliangelus viola* (Gould)**

*Heliotrypha viola* Gould, Monogr. Trochil., pt. 5, May, 1853, pl. [1] and text [= 4, pl. 241 of volume]. (Banks of the Marañon.)

*Heliangelus viola* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (25 July 1854), p. 61. (Eastern slopes of the Andes, error = Banks of the Marañon.)

Subtropical and temperate zones of western Ecuador and the Marañon region of Perú.

***Heliangelus micraster micraster* Gould**

*Heliangelus micraster* Gould, Ann. and Mag. Nat. Hist. (4), 9, 1872, p. 195. (San Lucas, Ecuador.)

Subtropical zone of southern Ecuador.

***Heliangelus micraster cutervensis* Simon**

*Heliangelus micraster cutervensis* Simon, Hist. Nat. Trochil., 1921, p. 182; 369. (Cutervo, Perú.)

Subtropical zone of northern Perú in Dept. of Cajamarca.

***Heliangelus squamigularis* Gould**

*Heliangelus squamigularis* Gould, Proc. Zool. Soc. London, Oct., 1871, p. 503. (Colombia.)

*Heliotrypha Barrali* Mulsant and J. Verreaux, Ann. Soc. Linn. Lyon (n.s.), 18, 1870-1871 (31 Jan. 1872), p. 106. (Banks of the

<sup>1</sup> This name was based on two specimens, a young bird from "Ecuador?" in the Gould collection and an adult male, the type, collected by Buckley, supposedly at Sarayacú, but Buckley's localities must not be taken too seriously (cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 728). The bird has never been taken since and until it is rediscovered it is perhaps best regarded as an aberration of *strophianus*.

Río Saldana, Province of Antioquia, Colombia). Col. pl., Cat. Bds. Brit. Mus., 16, 1892, pl. 6, f. 2.

Colombia in Province of Antioquia and in Bogotá collections.

***Helianthus speciosa* (Salvin)**

*Heliotrypha speciosa* Salvin, Ann. and Mag. Nat. Hist. (6), 7, 1891, p. 376. (Colombia; type a Bogotá trade skin). Col. pl., Cat. Bds. Brit. Mus. 16, 1892, pl. 6, f. 1.

*Heliotrypha simoni* Boucard, Humming Bird, 2, 1892, p. 76. (Bogotá, Colombia.)

Known only from Bogotá trade skins.<sup>1</sup>

***Helianthus rothschildi* Boucard**

*Helianthus rothschildi* [sic] Boucard, Humming Bird, 2, 1892, p. 77. (Bogotá, Colombia.)

*Aeronympha prosantis* Oberholser, Proc. Biol. Soc. Wash., 18, 1905, p. 161; 162. (Bogotá, Colombia.)

Known only from two Bogotá trade skins.<sup>2</sup>

***Helianthus lustratus* (Elliot)**

*Iolaema lustrata* Gould MS. Elliot, Ibis, 1878, p. 188. (No locality = Colombia.)

Known only from Bogotá trade skins.<sup>3</sup>

GENUS **ERIOCNEMIS** REICHENBACH<sup>4</sup>

*Eriocnemis* Reichenbach, Av. Syst. Nat. [1849], pl. xl. Generic details only, no species. Type, by subsequent designation, *Eriopus simplex* Gould = *Trochilus cupreo-ventris* Fraser (Gould, Monogr. Trochil. pt. 3, 1852, pl. [8] and text).<sup>5</sup>

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 300-303; 55, 1926, p. 310-312.

Simon, Hist. Nat. Trochil., 1921, p. 182-187; 370-373. (*Erebenna* Mulsant and Verreaux, *Engyete* Reichenbach, *Eriocnemis* Reichenbach, *Niche* Mulsant, *Threptia* Reichenbach.)

<sup>1</sup> *H. squamularis* and *H. speciosa* are probably conspecific, but since nothing is known of their ranges and distribution it is better to treat them as distinct species.

<sup>2</sup> Simon, *antea*, p. 182, note 2, suggests the possibility that this bird may be a hybrid between some species of *Helianthus* and *Rhamphomicron microrhynchum*.

<sup>3</sup> Simon removes this species from *Iolaema* where it was certainly out of place, but I am not sure that placing it in *Helianthus* is the correct solution to the problem of its systematic position.

<sup>4</sup> Richmond, Auk, 19, 1902, p. 83, proposes to replace this generic name with *Vestipedes* Lesson (Écho du Monde Savant, 1843, col. 756). Lesson's name is clearly a vernacular, not even used in a generic sense and hence is not available.

<sup>5</sup> See Opinion 46, International Commission on Zoological Nomenclature.



SUBGENUS **ERIOCNEMIS** REICHENBACH**Eriocnemis nigrivestis** (Bourcier and Mulsant)

*Trochilus nigrivestis* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. nat. etc., Lyon (2), **4**, 1852, p. 144. (Tumbaro [i.e. Tumbaco], Ecuador.)

Temperate zone of northwestern Ecuador.

**?Eriocnemis söderströmi** Butler

*Eriocnemis söderströmi* Butler, Bull. Brit. Orn. Cl., **47**, 1926, p. 62. (West side of Pichincha, Ecuador.)

Known only from the unique type.

**Eriocnemis vestitus vestitus** (Lesson)

*Ornismya vestita* Lesson, Rev. Zool., 1838, p. 314. (Bogotá, Colombia.)

*Ornismya ludovicii* Da Silva Maia, Soc. Velosiana, 1852, p. 109-116. (Colombia.)

*Eriocnemis ventralis* Salvin, Ann. and Mag. Nat. Hist. (6), **7**, 1891, p. 378. (Colombia.)<sup>1</sup>

*Eriocnemis berlepschi* Hartert, Nov. Zool., **4**, 1897, p. 531. (Bogotá, Colombia.)

Temperate and Páramo zones of the Andes of Mérida, Venezuela, and the Eastern Andes of Colombia.

**Eriocnemis vestitus paramillo** (Chapman)

*Vestipedes paramillo* Chapman, Bull. Am. Mus. Nat. Hist., **36**, 1917, p. 301. (Paramillo, 12,500 feet, Western Andes of Colombia.)

Páramo zone at the northern end of the Western Andes of Colombia.

**Eriocnemis vestitus smaragdinipectus** Gould

*Eriocnemis smaragdinipectus* Gould, Ann. and Mag. Nat. Hist. (4), **1**, 1868, p. 322. (Quito, Ecuador.)

*Eriocnemis evelinae* Ernst and Claudia Hartert, Nov. Zool., **1**, 1894, p. 59. (Pastaza, Ecuador.)

Temperate zone of the Central Andes in south-central Colombia and the eastern slopes of the Andes of Ecuador.

**Eriocnemis godini** (Bourcier)

*Trochilus Godini* Bourcier, Compt. Rend. Acad. Sci. Paris, **32**, 1851, p. 186. (Ravines in the Valley of Guayabamba, [Ecuador].)

Range and status not understood.<sup>2</sup>

<sup>1</sup> Based on a single Bogotá trade skin; aberrant specimen.

<sup>2</sup> Chapman gives for the range "temperate zone (?) northern Ecuador." Simon attributes it to "Colombie: cordillère orient. — Ecuador: rég. orient."

**Eriocnemis cupreo-ventris** (Fraser)

*Trochilus cupreo-ventris* Fraser, Proc. Zool. Soc. London, pt. 8, 1840, p. 15. (Bogotá, Colombia.)

*Ornismya maniculata* Lesson, Écho du Monde Savant, 1843, col. 756. (Bogotá, based on *Ornismya vestita*, foemina? Lesson, Rev. Zool., 1838, p. 314.)

*Eriopus simplex* Gould, Proc. Zool. Soc. London, pt. 17, 1849 (1850), p. 96. (Bogotá, Colombia.) Dark example.

*Eriocnemis dyselius* Elliot, Ibis, 1872, p. 294. (Locality unknown = Bogotá, Colombia.) Melanistic aberration; col. pl., Cat. Bds. Brit. Mus., 16, pl. 9, f. 1.

*Eriocnemis chrysorama* Elliot, Ann. and Mag. Nat. Hist. (4), 13, 1874, p. 375. (Locality unknown = Colombia.) Nearly complete melanism.

*Eriocnemis aurea* A. B. Meyer, Auk, 7, 1890, p. 315. (Colombia.) Yg. ♀.

*Eriocnemis albogularis* Boucard, Humming Bird, 2, 1892. (Bogotá, Colombia.) Partial albinism.

Temperate zone of the Andes of Mérida, Venezuela and the Eastern Andes of Colombia.<sup>1</sup>

**Eriocnemis luciani luciani** (Bourcier)

*Trochilus luciani* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 10, 1847, p. 624. (Guaca, Ecuador.)

*Trochilus Luciani* Boursier [sic], Rev. Zool., Dec., 1847, p. 402. (Guaca, Ecuador.)

Temperate zone of Ecuador, chiefly on the western slopes of the Andes.

**Eriocnemis luciani catharina** Salvin

*Eriocnemis catharina* Salvin, Bull. Brit. Orn. Cl., 6, 1897, p. xxx. (Leimebamba, Perú.)

Northern Perú in Dept. of Amazonas (Leimebamba).

**Eriocnemis luciani sapphiropygia** Taczanowski

*Eriocnemis sapphiropygia* [sic] "Jelski MS.," Taczanowski, Proc. Zool. Soc. London, 1874, p. 139. (Maraynioc, Perú.)

Mountains of central Perú in Depts. of Junín and Cuzco.

**Eriocnemis isaacsonii** (Parsudaki)

*Ornismia* [sic] *Isaacsonii* Parsudaki, Rev. Zool., 1845, p. 95. (Bogotá, Colombia.)

Colombia; distribution not known.

<sup>1</sup> I am unable to discover the basis for Simon's inclusion of eastern Ecuador in the range of this species.

**Eriocnemis mosquera** (DeLattre and Bourcier)

*Trochilus Mosquera* DeLattre and Bourcier, Rev. Zool., 1846, p. 306.  
(Pasto, Colombia.)

*Eriocnemis mosquera bogotensis* Hartert, Nov. Zool., 4, 1897, p. 531.  
(Bogotá, Colombia.)

Temperate zone of all three ranges of the Andes of Colombia and Andes of northern Ecuador.

**Eriocnemis glaucopoides** (d'Orbigny and Lafresnaye)

*Ornismya glaucopoides* d'Orbigny and Lafresnaye, Syn. Av. in Mag. Zool., 1838, cl. 2, p. 27. (Valle Grande, Bolivia.)

*Eriocnemis glaucopis* "D'Orb & Lafr." Sharpe, Hand-list, 2, 1900, p. 128. Emendation.

Temperate zone of Bolivia, and northern Argentina in Province of Jujuy.

**Eriocnemis alinae alinae** (Bourcier)

*Ornismya Alinae* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 5, 1842, p. 344, pl. 19.<sup>1</sup> (Tunja, Colombia.)

Andes of Colombia (known chiefly from Bogotá trade skins) and extreme northern Ecuador.

**Eriocnemis alinae dybowskii** Taczanowski.

*Eriocnemis dybowskii* Taczanowski, Proc. Zool. Soc. London, 1882, p. 39. (Ray-Urmaña, 7000-8000 feet, Perú.)

Mountains of northern and central Perú.

SUBGENUS **DERBYOMYIA**, G. R. GRAY<sup>2</sup>

*Derbyomyia* "Pr. B. 1854"<sup>3</sup> G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 142. Type, by original designation, *Trochilus derbyi* Bourcier and DeLattre.

**Eriocnemis derbyi longirostris** Hartert

*Eriocnemis derbyi longirostris* Hartert, Nov. Zool., 2, 1895, p. 69.  
(Bogotá.)

Temperate and Páramo zones at the northern end of the Central Andes of Colombia.

<sup>1</sup> The plate is lettered "L'Aline."

<sup>2</sup> Antedates *Erebenna* Mulsant and Verreaux, 1866.

<sup>3</sup> This name is a *nomen nudum* in Bonaparte, Ann. Sci. Nat. (4), 1, 1854, p. 137.

**Eriocnemis derbyi derbyi** (DeLattre and Bourcier)

*Trochilus Derbyi* DeLattre and Bourcier, Rev. Zool., 1846, p. 306.  
(Vólcan de Puracé, near Popayán, Colombia.)

Temperate zone of the Andes of southern Colombia and northern Ecuador.

GENUS **HAPLOPHAEDIA** SIMON

*Haplophædia* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by monotypy, *Trochilus aureliae* Bourcier and Mulsant.<sup>1</sup>

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 302; 55, 1926, p. 311-312.

Simon, Hist. Nat. Trochil., 1921, p. 188-189; 373-374.

**Haplophaedia aureliae caucensis** (Simon)

*Eriocnemis Aureliæ caucensis* Simon, Rev. Franç. d'Orn., 2, 1911, p. 130. (San Antonio, 1900 met., Western Andes, Colombia.)

*Eriocnemis floccus* Nelson, Smiths. Misc. Coll., 60, 1912, no. 3, p. 8. (East slope of Mt. Pirri, at 5000 feet, Panamá.)

Subtropical zone of the mountains of Darien, the Western Andes and the western slopes of the Central Andes of Colombia.

**Haplophaedia aureliae aureliae** (Bourcier and Mulsant)

*Trochilus Aureliæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 315, pl. 10.<sup>2</sup> (Bogotá.)<sup>3</sup>

Subtropical zone of the eastern slopes of the Central Andes and both slopes of the Eastern Andes of Colombia.

**Haplophaedia aureliae russata** (Gould)

*Eriocnemis russata* Gould, Proc. Zool. Soc. London, 1871, p. 505. (Ecuador, "supposed to have been obtained on the banks of the Napo.")

Subtropical zone of eastern Ecuador.

**Haplophaedia aureliae affinis** (Taczanowski)

*Eriocnemis affinis* "Elliot" <sup>4</sup> Taczanowski, Orn. Pérou, 1, 1884, p. 396. (Ray-Urmaña, Chirimoto, 7000-8000 feet, Perú.)

<sup>1</sup> The species comprising this genus all present characters that seem to justify Simon's action in segregating them from *Eriocnemis*, differing from that genus in having the nasal operculum bare on the anterior half, more decomposed under tail-coverts, less deeply forked tail with the outer rectrices not narrowed, their tips more evenly acuminate.

<sup>2</sup> The plate is lettered "L'Aurelie."

<sup>3</sup> This name a *nomen nudum* in Rev. Zool., 1846, p. 316.

<sup>4</sup> Perhaps a *lapsus* for *assimilis* but description based on specimens collected

*Vestipedes domaniewskii* Stolzmann, Ann. Zool. Mus. Polonici, 5, 1926, p. 211. (Chirimoto, 7000 feet, Perú.)

*Vestipedes aureliae tibialis* Carriker, Proc. Acad. Nat. Sci. Phila., 85, 1933, p. 8. (Río Jelashte, 5000 feet, Dept. San Martín, Perú.)

Northern Perú in depts. of Libertad, Amazonas and San Martín.

**Haplophaedia aureliae assimilis** (Elliot)

*Eriocnemis assimilis* Elliot, Bull. Soc. Zool. France, 1, 1876, p. 227. (Apollo and Tilo-tilo, Bolivia.)

Southeastern Perú in Dept. of Puno, and northern Bolivia.

**Haplophaedia lugens** (Gould)

*Eriopus lugens* Gould, in Jardine's Contr. Orn., 1851, p. 140. (Quito, Ecuador.)

Temperate zone of northern Ecuador.

GENUS **OCREATUS** GOULD<sup>1</sup>

*Ocreatus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 86. Type, by subsequent designation; *Trochilus addae* Bourcier. (Cory, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 2, no. 1, 1918, p. 259.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 189-190; 374-376 (*sub nom.* *Spathura*).

**Ocreatus underwoodii polystictus** Todd

*Ocreatus underwoodi polystictus* Todd, Ann. Carnegie Mus., 29, 1942, p. 347. (Galipán, Cerro del Ávila, Venezuela.)

Subtropical zone of the coast range of Venezuela.

**Ocreatus underwoodii underwoodii** (Lesson)

*Ornismya underwoodii* Lesson, Les Trochilidées [1832], p. 105, pl. 37.<sup>2</sup> (Brazil? = Bogotá.)

*Steganurus discifer* Heine, Journ. f. Orn., 11, 1863, p. 210. (Mérida, Venezuela.)

Subtropical zone of the Western and Central Andes of Venezuela and all three ranges of the Andes of Colombia.

in 1880 at Ray-Urmaña, Chirimoto, by Stolzmann; one of these same specimens served as the type of *domaniewskii*. In spite of the similarity in meaning *affinis* and *assimilis* are different words.

<sup>1</sup> Replaces *Spathura* Gould, 1849, of Sharpe's Hand-list.

<sup>2</sup> The plate is lettered "La Raquette Empennée."

**Ocreatus underwoodii melanantherus** (Jardine)

*Trochilus (Spathura) melananthera* Jardine, in Jardine's Contr. Orn., 1851, p. 111, pl. 80. (Quito, Ecuador.)

Subtropical zone of western Ecuador.

**Ocreatus underwoodii peruanus** (Gould)

*Spathura peruana* Gould, Monogr. Trochil., pt. 1, June, 1849, pl. [10] and text [= 3, pl. 164 of volume]. (Moyobamba, Perú.)

*Spathura cissiura* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (1854), p. 109. (Perú.)

*Spathura* (or *Steganurus*) *solstitialis* Gould, Ann. and Mag. Nat. Hist. (4), 8, 1871, p. 62. (Ecuador.)

Subtropical zone of eastern Ecuador and northeastern Perú.

**Ocreatus underwoodii annae** (Berlepsch and Stolzmann)

*Spathura annæ* Berlepsch and Stolzmann, Ibis, 1894, p. 398. (Chanchamayo, Perú.)

Central Perú in Dept. of Cuzco.

**Ocreatus underwoodii addae** (Bourcier)

*Trochilus Addæ* Bourcier, Rev. Zool., Sept. (Nov.), 1846, p. 312. (No locality.)

*Trochilus (Ocreatus) rufocaligatus* Gould, Proc. Zool. Soc. London, pt. 14, 1846 (read, Oct. 13), p. 86. (Bolivia.)

Bolivia.

GENUS **LESBIA** LESSON<sup>1</sup>

*Lesbia* Lesson, Les Trochilidées [1833], Index Gén., p. xvij. Type, by subsequent designation, *Ornismya nuna* Lesson. (Salvin, Cat. Bds. Brit. Mus., 16, 1892, p. 146.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 192-195; 376-378 (*sub nom.* *Psalidoprymna*).

Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., 17, 1930, p. 284-286 (nomenclature; races of *nuna*).

**Lesbia victoriae victoriae** (Bourcier and Mulsant)

*Trochilus Victoriae* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 312, pl. 11.<sup>2</sup> (Colombia.)

*Trochilus Victoriae* Bourcier, Rev. Zool., Nov., 1846, p. 315, pl. 4. Arid temperate zone of the Andes in southern and eastern Colombia.

<sup>1</sup> Replaces *Psalidoprymna* Cabanis and Heine, 1863, of Sharpe's Hand-list.

<sup>2</sup> The plate is lettered "Le Victoire."

**?Lesbia victoriae eucharis** (Bourcier and Mulsant)

*Trochilus Eucharis* Bourcier and Mulsant, Rev. Zool., 1848, p. 274.  
(No type locality; type from Buena Ventura, Colombia, in British Museum.)

Colombia: range and status uncertain; perhaps only a variant of *L. v. victoriae*.

**Lesbia victoriae aequatorialis** Boucard

*Lesbia aequatorialis* Boucard, Humming Bird, 3, 1893, p. 6. (Río Napo, Ecuador.)

Arid temperate zone of Ecuador; doubtfully distinct from *L. v. victoriae*.

**Lesbia victoriae juliae** (Hartert)

*Psolidoprymna juliae* Hartert, Nov. Zool., 6, 1899, p. 75. (Northern Perú, type from Cajabamba.)

Puna zone of northern and central Perú.

**Lesbia victoriae berlepschi** (Hellmayr)

*Psolidoprymna berlepschi* Hellmayr, Verh. Orn. Ges. Bayern, 12, 1915, p. 210. (Anta, Department of Cuzco, 3500 met., Perú.)

Puna zone of southwestern Perú.

**Lesbia nuna gouldii** (Loddiges)

*Trochilus Gouldii* Loddiges, Proc. Comm. Zool. Soc. London, pt. 2, 1832, p. 7. (Popayán, Colombia.)

Temperate zone of the Andes of Mérida, Venezuela, and the Andes of Colombia.

**Lesbia nuna gracilis** (Gould)

*Trochilus (Lesbia) gracilis* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 86. (Perú, error = Ecuador.)

Temperate zone of Ecuador.

**Lesbia nuna pallidiventris** (Simon)

*Psolidoprymna pallidiventris* Simon, Nov. Zool., 9, 1902, p. 182. (Algamarca, Araquedá and Cojabamba, Department of Cojabamba, Perú.)

*Psolidoprymna gracilis labilis* Simon, Hist. Nat. Trochil., 1921, p. 194; 377. (Cochabamba, Leimabamba and Chota, Department of Cochabamba, Perú.)

*Psolidoprymna gracilis longicauda* Simon, Hist. Nat. Trochil., 1921, p. 194; 378. (Chitahuara, Department of Otusco, Perú.)

Temperate zone of northern Perú.

**Lesbia nuna chlorura** Gould

*Lesbia chlorura* Gould, Proc. Zool. Soc. London, 1871, p. 504.  
(Perú?)

*Psalidoprymna chionura* ("Gould"), Sharpe, Hand-list, 2, 1900,  
p. 136. (Northern Perú.)

Temperate zone of the Andes of Perú adjacent to the Junín plateau.

**Lesbia nuna nuna** (Lesson)

*Ornismya nuna* Lesson, Hist. Nat. Colibris, suppl. Ois.-Mouches  
[1832], p. 169, pl. 35. (Perú.)

Temperate zone of the Andes of southwestern Perú.

**Lesbia nuna boliviana** Boucard

*Lesbia boliviana* Boucard, Humming Bird, 1, 1891, p. 43. (Bolivia.)

Temperate zone of the Andes of northern Bolivia.

GENUS **SAPPHO** REICHENBACH<sup>1</sup>

*Sappho* Reichenbach, Av. Syst. Nat. [1849], pl. xl. Generic details  
only, no species. Type, by subsequent designation, *Trochilus*  
*sparganurus* Shaw. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855,  
p. 22.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 195; 378 (*sub nom.* *Lesbia*).

Wetmore, Bull. U. S. Nat. Mus. no. 133, 1926, p. 231-232.

**Sappho sparganura sparganura** (Shaw)

*Trochilus sparganurus* Shaw, Gen. Zool., 8, pt. 1, 1812, p. 291,  
pl. 39. ("Perú" = Bolivia.)<sup>2</sup>

Andes of northern and central Bolivia.

**Sappho sparganura sappho** (Lesson)

*Ornismya Sappho* Lesson, Hist. Nat. Ois.-Mouches, 1829, p. 105,  
pl. 27 ♂, pl. 28 ♀. ("Interior of Brazil.")<sup>3</sup>

Andes of southern Bolivia, and northern and western Argentina in  
states of Jujuy, Salta, Catamarca, Tucumán, La Rioja, Córdoba, San  
Juan, Mendoza and Neuquen.

GENUS **POLYONYMUS** HEINE

*Polyonymus* Heine, Journ. f. Orn., 11, 1863, p. 206. Type, by orig-  
inal designation and monotypy, *Trochilus caroli* Bourcier.

cf. Simon, Hist. Nat. Trochil., 1921, p. 196; 379.

<sup>1</sup> Replaces *Lesbia* Lesson, 1832, of Sharpe's Hand-list, not applicable.

<sup>2</sup> Replaces *Cometes phaon* Gould of Sharpe's Hand-list.

<sup>3</sup> Replaces *Lesbia sparganura* of authors, not *Trochilus sparganurus* Shaw, of  
Sharpe's Hand-list.



**Polyonymus caroli** (Bourcier)

*Trochilus Caroli* Bourcier, Proc. Zool. Soc. London, pt. 15, May, 1847, p. 48. (No type locality.)

*Trochilus Caroli* Bourcier, Rev. Zool., Aug., 1847, p. 260. (No type locality.)

Andes of Perú.

GENUS **ZODALIA** MULSANT

*Zodalia* Mulsant, in Mulsant and E. Verreaux, Hist. Nat. Ois.-Mouches, 3, 1877, p. 281. Type, by subsequent designation, *Lesbia orton* Lawrence. (Elliot, Classif. Syn. Trochil., 1879, p. 149.)

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 322.

Simon, Hist. Nat. Trochil., 1921, p. 196-197; 379.

**Zodalia glyceria** (Gould)

*Cometes mossia* [sic] Gould, Athenaeum, 1853, p. 1166. *Nomen nudum*; Id., Rept. Brit. Assoc. Adv. Sci. for 1853, 1854, Notes and Abstracts, p. 68. *Nomen nudum*.

*Lesbia glyceria* "Gould 1854" Bonaparte, Rev. et Mag. Zool. (2), 6, 1854, p. 252. *Nomen nudum*.

*Cometes ? glyceria* Gould, Monogr. Trochil., pt. 15, May, 1858, pl. [12] and text [= 3, pl. 176 of volume]. (Near Popayán, Colombia.) First description = imm. ♂.

*Lesbia orton* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 9, 1869, p. 269. (Quito Valley, Ecuador.) = ad. ♂.

Temperate zone of the Andes of Colombia (north to Popayán) and Ecuador.

GENUS **RAMPHOMICRON** BONAPARTE

*Ramphomicron* Bonaparte, Consp. Av., 1, Mar., 1850, p. 79. Type, by subsequent designation, *Ornismya microrhyncha* Boissoneau. (Bonaparte, Compt. Rend. Acad. Sci. Paris, 30, 8 Apr., 1850, p. 382).

cf. Simon, Hist. Nat. Trochil., 1921, p. 199; 379-380 (*sub nom.* *Rhamphomicrus*).

**Ramphomicron microrhynchum andicolum** (Simon)

*Rhamphomicrus microrhynchus* [sic] *andicola* Simon, Hist. Nat. Trochil., 1921, p. 199; 379. (Andes of Mérida, Venezuela.)

Andes of Mérida, Venezuela.

**Ramphomicron microrhynchum microrhynchum** (Boissoneau)

*Ornismya microrhyncha* Boissoneau, Rev. Zool., 1839, p. 354. (Bogotá, Colombia.)

Temperate zone of the Andes of Colombia (all three ranges) and Ecuador.

**Ramphomicron microrhynchum albiventris** Carriker

*Ramphomicron microrhynchum albiventris* [sic] Carriker, Proc. Acad. Nat. Sci. Phila., **87**, 1935, p. 349. (Huacapistana, 8000 feet, Department of Junín, Perú.)

Known only from the type locality.

**Ramphomicron dorsale** Salvin and Godman

*Ramphomicron dorsale* Salvin and Godman, Ibis, 1880, p. 172, pl. 5. (Sierra Nevada de Santa Marta, 2000 feet ♂, 9200 feet ♀, Colombia.)

Temperate and Páramo zones of the Santa Marta Mountains, Colombia.

GENUS **METALLURA** GOULD

*Metallura* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 94.

Type, by subsequent designation, *Ornismya cupreicauda* Gould = *Ornismya phoebe* Lesson and DeLattre. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22.)

*Chloropogon* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Trochilus ruficeps* Gould.

*Selatopogon* Simon, Rev. Franç. d'Orn., **6**, 1919, p. 53. Type, by original designation and monotypy, *Trochilus ruficeps* Gould.<sup>1</sup>

cf. Simon, Hist. Nat. Trochil., 1921, p. 199–203; 380–382.

**Metallura phoebe** (Lesson and DeLattre)

*Ornismya Phæbe* Lesson and DeLattre, Rev. Zool., 1839, p. 17. (Andes of Perú.)

*Metallura Jelskii* Cabanis, Journ. f. Orn., **22**, 1874, p. 99. (Maraynioc? Junín, Perú.)

Andes of Perú, Bolivia and extreme northern Chile in Province of Tacna.

**Metallura theresiae** Simon

*Metallura theresiae* Simon, Nov. Zool., **9**, 1902, p. 181. (Tayabamba, Dept. of Pataz, Perú.)

<sup>1</sup> *Selatopogon* was proposed as a new genus, but in Hist. Nat. Trochil., p. 383, Simon says that it is a substitute name for *Chloropogon*, preoccupied. I cannot find that *Chloropogon* has ever been proposed as a generic name before Simon employed it in 1918. *Trochilus ruficeps* is better placed in *Metallura* than in *Chalcostigma* where it is usually listed; it certainly is not worthy of recognition as a monotypic genus.

*Laticauda rubriginosa* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1, 1913, p. 287. (Mountains east of Balsas, 10,000 feet, Perú.)

Andes of northern Perú in departments of Amazonas and Libertad.

**Metallura purpureicauda** (Hartert)

*Chalcostigma purpureicauda* Hartert, Bull. Brit. Orn. Cl., 7, 1898, p. xxviii. (Bogotá, trade skin.)

*Zodalia thaumasta* Oberholser, Proc. U. S. Nat. Mus., 24, 1902, p. 338. (Illalo, Valley of Chillo, Ecuador.)

Known only from two specimens, from Illalo, Ecuador, and a Bogotá trade skin.

**Metallura aeneocauda** (Gould)

*Trochilus* (——?) *æneocauda* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 87. (Bolivia.)

Andes of southern Perú and Bolivia.

**Metallura malagae** Berlepsch

*Metallura malagae* Berlepsch, Journ. f. Orn., 45, 1897, p. 90. (Malaga, Bolivia.)

Bolivia: Known only from the type in the Berlepsch collection, five specimens in the Carnegie Museum and three in the Philadelphia Academy, all from Incachaca, Bolivia.

**Metallura eupogon baroni** Salvin

*Metallura baroni* Salvin, Bull. Brit. Orn. Cl., 1, 1893, p. xlix. (Mountains near Cuenca, 12,000 ft., Ecuador.)

Andes of southwestern Ecuador in Province of Cuenca.

**Metallura eupogon eupogon** (Cabanis)

*Urolampra eupogon* Cabanis, Journ. f. Orn., 22, Jan., 1874, p. 97. (Maraynioc, Junín, Perú.)

*Metallura hedvigæ* Taczanowski, Proc. Zool. Soc. London, June, 1874, p. 139, pl. 21, f. 2. (Maraynioc, Junín, Perú.)

Andes of northern and central Perú.

**Metallura williami williami** (DeLattre and Bourcier)

*Trochilus Williami* DeLattre and Bourcier, Rev. Zool., 1846, p. 308. (Vicinity of Popayán, Colombia.)

Páramo zone of the Central Andes of Colombia.

**Metallura williami primolina** Bourcier

*Metallura primolinus* Bourcier, Rev. et Mag. Zool. (2), 5, 1853, p. 295. (Laguano, Río Napo, Ecuador.)

Temperate zone of the Andes of northeastern Ecuador (intermediates between this form and the next inhabit the mountains of central Ecuador).

***Metallura williami atrigularis* Salvin**

*Metallura atrigularis* Salvin, Bull. Brit. Orn. Cl., 1, 1893, p. xlix.  
(Sigsig, 12000 feet south of Cuenca, Ecuador.)

Temperate zone of the Andes of southern Ecuador.

***Metallura tyrianthina chloropogon* (Cabanis and Heine)**

*Urolampra chloropogon* Cabanis and Heine, Mus. Hein., Th. 3, 1860,  
p. 68. (No type locality.)

Subtropical zone of the coastal mountains of Venezuela.

***Metallura tyrianthina oreopola* Todd**

*Metallura tyrianthina oreopola* Todd, Proc. Biol. Soc. Wash., 26,  
Aug., 1913, p. 174. (Páramo de Rosas, State of Lara, Venezuela.)

*Metallura thyrianthina* [sic] *harterti* Schlüter, Falco, 9, Oct., 1913,  
p. 42. (Mérida, Venezuela.)

Andes of Mérida, Venezuela.

***Metallura tyrianthina districta* Bangs**

*Metallura districta* Bangs, Proc. Biol. Soc. Wash., 13, 1899, p. 94.  
(Pueblo Viejo, 8000 feet, Santa Marta Mountains, Colombia.)

Temperate zone of the Santa Marta Mountains in northern Colombia.

***Metallura tyrianthina tyrianthina* (Loddiges)**

*Trochilus tyrianthinus* Loddiges, Proc. Comm. Zool. Soc. London,  
pt. 2, 1832, p. 6. (Popayán, Colombia.)

Humid temperate zone of Colombia, and eastern and southern Ecuador.

***Metallura tyrianthina quitensis* Gould**

*Metallura Quitensis* Gould, Intro. Trochil., 1861, p. 112. (Ecuador.)

Humid temperate zone of northwestern Ecuador.

***Metallura tyrianthina septentrionalis* Hartert**

*Metallura smaragdinicollis septentrionalis* Hartert, Nov. Zool., 6,  
1899, p. 73. (Cajabamba, Cajamarca, Huamachuco, Levanto and  
Celendín, Perú; type from Huamachuco, 10400 feet.)

*Metallura smaragdinicollis meridionalis* Simon, Hist. Nat. Trochil.,  
1921, p. 381. *Lapsus*.

Andes of northern Perú.

***Metallura tyrianthina peruviana* Boucard**

*Metallura Peruviana* Boucard, Humming Bird, 3, 1893, p. 6. (Perú.)

Andes of Central Perú.

**Metallura tyrianthina smaragdinicollis** (d'Orbigny and Lafresnaye)

*Ornismya smaragdinicollis* d'Orbigny and Lafresnaye, Syn. Av. in Mag. Zool., 1838, cl. 2, p. 31. (Yungas, Bolivia.)

Mountains of southern Perú and Bolivia.

**Metallura ruficeps aureofastigata** (Hartert)

*Chalcostigma ruficeps aureofastigatum* Hartert, Nov. Zool., 6, 1899, p. 74. (Loja, Ecuador.)

Temperate zone of southern Ecuador. Doubtfully distinct from *M. r. ruficeps*.

**Metallura ruficeps ruficeps** (Gould)

*Trochilus* (——?) *ruficeps* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 89. (Bolivia.)

Perú and the Yungas of Bolivia.

GENUS **CHALCOSTIGMA** REICHENBACH

*Rhamphomicron*  $\gamma$  *Chalcostigma* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 12. Type, by subsequent designation, *Ornismya heteropogon* Boissoneau. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 141.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 203-204; 382-383 (*Chalcostigma*, Eupogonus).

**Chalcostigma olivaceum olivaceum** (Lawrence)

*Ramphomicron olivaceus* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 8, 1864, p. 44. (La Paz, Bolivia.)

Temperate zone of northern and central Perú and Bolivia.

**Chalcostigma olivaceum pallens** Carriker

*Chalcostigma olivacea pallens* Carriker, Proc. Acad. Nat. Sci. Phila., 87, 1935, p. 348. (La Galera, 15000 feet, Department of Junín, Perú.)

Western slopes of the Cordillera of central Perú between 14000-15000 feet.

**Chalcostigma stanleyi stanleyi** (Bourcier)

*Trochilus Stanleyi* Bourcier, Compt. Rend. Acad. Sci. Paris, 32, 1851, p. 187. (Cold regions of Pichincha and Cotopaxi.)

Páramo zone of the mountains of Ecuador.

**Chalcostigma stanleyi versigularis** Zimmer

*Chalcostigma stanleyi versigularis* Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., 12, 1924, p. 52. (Mountains near Huánuco, 12200 feet, Department of Huánuco, Perú.)

High mountains of central Perú.

**Chalcostigma stanleyi vulcani** (Gould)

*Ramphomicron vulcani* Gould, in Jardine's Contr. Orn., 1852, p. 135.  
(Bolivia.)

High mountains of southeastern Perú and Bolivia.

**Chalcostigma heteropogon** (Boissoneau)

*Ornismya heteropogon* Boissoneau, Rev. Zool., 1839, p. 355. (Bogotá, Colombia.)

Páramo and upper temperate zones of the Eastern Andes of Colombia and extreme western Venezuela.

**Chalcostigma herrani tolimae** Kleinschmidt

*Chalcostigma herrani tolimae* "prog. nov." Kleinschmidt, Falco, **23**, 1927, p. 5. (Volcán de Tolima, 4000 met., Colombia.)

Upper slopes of the Volcán de Tolima, Western Andes, Colombia.

**Chalcostigma herrani herrani** (DeLattre and Bourcier)

*Trochilus Herrani* DeLattre and Bourcier, Rev. Zool., 1846, p. 309.  
(Pasto, Colombia.)

Temperate zone of the Western Andes in southern Colombia and northern Ecuador.

GENUS **OXYPOGON** GOULD

*Oxypogon* Gould, Proc. Zool. Soc. London, pt. 16, 1848, p. 14.

Type, by subsequent designation, *Ornismya guerinii* Boissoneau.  
(G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22.)

cf. Kleinschmidt, Berajah, 1935, *Trochilus Oxypogon*, p. 1-2, pl. 1  
(in color).

Simon, Hist. Nat. Trochil., 1921, p. 204-205; 383-384.

**Oxypogon guerinii stübelii** A. B. Meyer

*Oxypogon Stübelii* A. B. Meyer, Zeitschr. ges. Orn., **1**, 1884, p. 204.  
(Volcán de Tolima, Central Andes, Colombia.)

Páramo zone of the Volcán de Tolima, Central Andes of Colombia.

**Oxypogon guerinii guerinii** (Boissoneau)

*Ornismia Guerinii* Boissoneau, Rev. Zool., 1840, p. 7. (Bogotá, Colombia.)

Páramo zone of the Eastern Andes of Colombia.

**Oxypogon guerinii cyanolaemus** Salvin and Godman

*Oxypogon cyanolaemus* Salvin and Godman, Ibis, 1880, p. 172, pl. 4,  
f. 2. (Sierra Nevada de Santa Marta, 10000-14000 feet, Colombia.)

Páramo zone of the Santa Marta Mountains of Colombia.

**Oxyopogon guerinii lindenii** (Parzudaki)

*Ornysmia* [sic] *Lindenii* Parzudaki, Rev. Zool., 1845, p. 253. (State of Mérida, Venezuela.)

Páramo zone of the Andes of Mérida, Venezuela.

GENUS **OPISTHOPRORA** CABANIS AND HEINE

*Opisthoprora* Cabanis and Heine, Mus. Hein., Th. 3, 1860, p. 76, note. New name for *Avocettinus* Bonaparte, 1854, not 1850.

Type, by monotypy, *Trochilus eurypterus* Loddiges.

cf. Simon, Hist. Nat. Trochil., 1921, p. 205-206; 384.

**Opisthoprora euryptera** (Loddiges)

*Trochilus eurypterus* Loddiges, Proc. Comm. Zool. Soc. London, pt. 2, 1832, p. 7. (Popayán, Colombia.)

Temperate zone of the Andes of southern Colombia and north-eastern Ecuador; known also from Bogotá trade skins.

GENUS **TAPHROLESBIA** SIMON

*Taphrolesbia* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39. Type, by original designation, *Cyananthus griseiventris* Taczanowski.

*Tephrolesbia* Simon, Rev. Franç. d'Orn., 6, 1919, p. 54. Emendation.

cf. Simon, Hist. Nat. Trochil., 1921, p. 207; 384-385.

**Taphrolesbia griseiventris** (Taczanowski)

*Cyananthus griseiventris* Taczanowski, Proc. Zool. Soc. London, 1883, p. 72. (Paucal, Perú.)

Andes of Perú in Department of Huánuco.<sup>1</sup>

GENUS **AGLAIOCERCUS** ZIMMER<sup>2</sup>

*Agelaiocercus* Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., 17, 1930, p. 90. Type, by original designation, *Ornismya kingi* Lesson.

cf. Chapman, Bull. Am. Mus. Nat. Hist., 36, 1917, p. 307-310 (*sub nom.* *Cyanolesbia*).

Simon, Hist. Nat. Trochil., 1921, p. 207-210; 385-387 (*sub nom.* *Lesbia*).

<sup>1</sup> I have been unable to locate Paucal, the type locality. No place of this name is listed in Stiglich, Diccionario Geográfico del Perú.

<sup>2</sup> Replaces *Cyanolesbia* Stejneger, 1885, of Sharpe's Hand-list, not applicable; replaces *Lesbia* Lesson, 1833, of Simon's Hist. Nat. Trochil., not applicable.

**Aglaiocercus kingi berlepschi** (Hartert)

*Cyanolesbia berlepschi* Hartert, Bull. Brit. Orn. Cl., 8, 1898, p. xvi.  
(Cumaná, Venezuela.)

Andes of Cumaná and Caripé, Venezuela.

**Aglaiocercus kingi margarethae** (Heine)

*Lesbia Margarethae* Heine, Journ. f. Orn., 11, 1863, p. 213. (Caracas, Venezuela.)

Venezuelan Andes: Silla de Caracas, Cerro del Avila, Rancho Grande, Cumbre de Valencia.

**Aglaiocercus kingi kingi** (Lesson)

*Trochilus kingi* Lesson, Les Trochilidéés [1832], p. 107, pl. 38.  
(Jamaica, error = Bogotá, Colombia.)

*Lesbia Kingi* var. *pseudomargarethæ* Simon, Hist. Nat. Trochil., 1921, p. 209; 387. (Savanna of Bogotá Colombia.)

*Lesbia Kingi* var. *holocyanea* Simon, Hist. Nat. Trochil., 1921, p. 209; 387. (Savanna of Bogotá, Colombia.)

Subtropical zone of the Eastern Andes of Colombia between Bucaramanga and Bogotá.

**Aglaiocercus kingi mocoa** (DeLattre and Bourcier)

*Trochilus Mocoa* DeLattre and Bourcier, Rev. Zool., 1846, p. 311.  
(Mocoa, Colombia.)

Subtropical zone of the Central and Eastern Andes of Colombia from the upper Magdalena Valley southward along the Eastern Andes through Ecuador to northern Perú.

**Aglaiocercus kingi smaragdinus** (Gould)

*Trochilus (Lesbia) smaragdinus* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 85. (Bolivia.)

Subtropical zone from central Perú south to the Yungas of Bolivia.

**Aglaiocercus emmae emmae** (Berlepsch)

*Cyanolesbia emmae* Berlepsch, Journ. f. Orn., 40, 1892, p. 452. (Bogotá [trade skins] and Antioquia, Colombia.)

Subtropical zone of the Western Andes and both slopes at the northern end of the Central Andes of Colombia.

**Aglaiocercus emmae caudata** (Berlepsch)

*Cyanolesbia caudata* Berlepsch, Journ. f. Orn., 40, 1892, p. 454. (Mérida, Venezuela.)

Subtropical zone of the Eastern Andes of Colombia and the Andes of Mérida, Venezuela.



**Agelaiocercus coelestis coelestis** (Gould)

*Cynanthus caelestis* Gould, Intro. Trochil., 1861, p. 102. (Ecuador.)

*Lesbia Kingi* var. *pseudocoelestis* Simon,<sup>1</sup> Hist. Nat. Trochil., 1921, p. 210; 386. (Chocó and Mt. Tatama, Colombia; Andes of Mérida[!] Venezuela.)

Subtropical zone of the Western Andes of Colombia, extending into northwestern Ecuador.

**Agelaiocercus coelestis aethereus** (Chapman)

*Cyanolesbia caelestis aethereus* Chapman, Am. Mus. Novit., no. 187, 1925, p. 2. (Alamor, Ecuador.)

Subtropical zone of southwestern Ecuador from near Zaruma, southward.<sup>2</sup>

GENUS **OREONYMPHA** GOULD

*Oreonympha* Gould, Proc. Zool. Soc. London, 1869, p. 295. Type, by monotypy, *Oreonympha nobilis* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 210; 387.

**Oreonympha nobilis albolimbata** Berlioz

*Oreonympha nobilis albolimbata* Berlioz, Bull. Brit. Orn. Cl., 58, 1938, p. 44. (Yauli, 11500 feet., Huancavelica, Perú.)

Central-western Perú.

**Oreonympha nobilis nobilis** Gould

*Oreonympha nobilis* Gould, Proc. Zool. Soc. London, 1869, p. 295. (Tinta, 11,500 feet, Perú.)

Andes of Perú in Department of Cuzco and in the Urubamba Valley.

GENUS **AUGASTES** GOULD

*Augastes* Gould, Monogr. Trochil., pt. 1, June 1849, pl. [15] and text [= 4, pl. 221 of volume]. Type by monotypy, *Trochilus superbus* Vieillot = *Trochilus scutatus* Temminck.

cf. Simon, Hist. Nat. Trochil., 1921, p. 211-212; 387-388.

**Augastes scutatus** (Temminck)

*Trochilus Superbus* Vieillot, Tabl. Encyc. Méth., Orn., pt. 2, 1823 (1822), p. 561 (Brazil). Not *Trochilus superbus* Shaw, 1802.

<sup>1</sup> See Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 320.

<sup>2</sup> Hartert, Nov. Zool., 29, 1922, p. 411-412, regards all the members of this genus as belonging to a single species; with the exception of a small region in Colombia where *A.e. emmae* and *A.c. coelestis* occur practically together, and another in the Eastern Andes where *A.k. kingi* and *A.e. caudata* appear to overlap, the different forms represent each other, and it might be quite correct to consider this genus monotypic.

*Trochilus scutatus* Natt., Temminck, Pl. col., livr. 50, 1824, pl. 299, f. 3. (Brazil.)

Brazil, in states of Bahia and Minas Geraes.

**Augastes lumachellus** (Lesson)

*Ornismya lumachella* Lesson, Rev. Zool., 1838, p. 315. (Bahia.)

Brazil in State of Bahia (?). Known chiefly from Bahia trade skins; probably no specimens with definite data in existence.

GENUS **SCHISTES** GOULD

*Schistes* Gould, in Jardine's Contr. Orn., 1851, p. 140. Type, by subsequent designation, *Trochilus geoffroyi* Bourcier. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 24.)

cf. Simon, Hist. Nat. Trochil., 1921, p. 212-213; 388.

**Schistes geoffroyi albogularis** Gould

*Schistes albogularis* Gould, in Jardine's Contr. Orn., 1851, p. 140. (Quito, Ecuador = west side of Pichincha at 6000 feet, *ex* Monogr. Trochil., pt. 6, 1853.)

Subtropical zone of the Western Andes and western slope of the Central Andes of Colombia; western Ecuador.

**Schistes geoffroyi geoffroyi** (Bourcier)

*Trochilus Geoffroyi* Bourcier, Rev. Zool., Apr. 1843, p. 101. (Valley of Cauca, near Cartagena, Colombia.)

*Trochilus geoffroyi* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 6, 1843, p. 37, pl. 3.<sup>1</sup> (Cauca valley, near Cartagena, Colombia; error, El Roble, above Fusugasugá, Colombia, substituted by Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 322.)

Eastern Colombia, eastern Ecuador and eastern Perú; northern Venezuela (Cumbre de Valencia).

**Schistes geoffroyi bolivianus** Simon

*Schistes albogularis bolivianus* Simon, Hist. Nat. Trochil., 1921, p. 213; 388. (Bolivia.)

Bolivia.

GENUS **HELIOTHRYX** BOIE

*Heliothryx*<sup>2</sup> Boie, Isis von Oken, 1831, col. 547. Type, by subsequent designation, *H. aurita* (L.) = *Trochilus auritus* Gmelin. (G. R. Gray, List Gen. Bds., 1840, p. 14.)

<sup>1</sup> The plate is lettered "Le Geoffroy."

<sup>2</sup> This generic name has been emended to *Heliothrys*, *Heliothrix*, *Heliotrix* and *Heliotrys*.

- cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **12**, 1929, p. 397.  
 Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 561-564.  
 Simon, Hist. Nat. Trochil., 1921, p. 214-215; 388-390.

**Heliothryx barroti** (Bourcier)

*Trochilus Barroti* Bourcier, Rev. Zool., March, 1843, p. 72. (Cartagena, Colombia.)

*Ornismya Barroti* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, **6**, 1843, p. 48, pl. 4.<sup>1</sup> (Cartagena, Colombia.)

*Heliothrix barroti alincius* Oberholser, Proc. U. S. Nat. Mus., **24**, 1902, p. 339. (Choctum, Guatemala.)

Central America from Guatemala and British Honduras to Panamá (Caribbean slope only to Costa Rica, thence both slopes southward) and northwestern South America in the tropical zone of western Colombia and western Ecuador; recorded by Simon from the Cordillera de Paria, Venezuela!

**Heliothryx aurita aurita** (Gmelin)

*Trochilus auritus* Gmelin, Syst. Nat., **1**, pt. 1, 1788, p. 493. (Cayenne.)

*Heliothrix columbianus* Boucard, Gen. Humming Birds, 1895, p. 313. (Colombia.)

Tropical zone of northern and eastern Colombia and eastern Ecuador, east to the Guianas and upper Amazonia (north bank of the Amazon only?)

?**Heliothryx aurita major** Lönnberg and Rendahl

*Heliothrix auritus major* Lönnberg and Rendahl, Ark. Zool., **14**, 1922, no. 25, p. 61. (Pisagua, near Babahoyo, Ecuador.)

Western side of Mt. Pichincha, Ecuador. Requires confirmation.

**Heliothryx aurita phainolaema** Gould

*Heliothrix phainolaema* Gould, Proc. Zool. Soc. London, pt. 23, 1855, p. 87. (Rio Napo, error = Pará.)

Lower Amazon valley in Brazil (south of the river only?) in State of Pará, extending into Maranhão.

**Heliothryx aurita auriculata** (Nordmann)

*Trochilus auriculatus* Nordmann, in Erman's Reise um die Erde, Naturhist. Atlas, 1835, p. 5, pl. 2, f. 1 and 2. (No locality, = Rio de Janeiro.)

*Ornismya Pouchetii* Lesson, Rev. Zool., 1840, p. 72. (Cayenne; "quelques uns disent Rio-Janeiro et M. Parzudaki dit Montevideo.")

<sup>1</sup> The plate is lettered "Le Barrot."

*Heliothryx aequatorialis* Boucard, Gen. Humming Birds, 1895, p. 314. (Ecuador, error = Bahia, *fide* Simon, *t. c.*, p. 389, note 3.)

Eastern Perú, Brazil from the upper Amazon, Goyaz and Bahia south to central Bolivia (Buena Vista), Matto Grosso (Rio Roosevelt) and Paraná.

#### GENUS HELIACTIN BOIE

*Heliactin* Boie, Isis von Oken, 1831, col. 546. Type, by subsequent designation, *H. bilophus* (Temm.) = *Trochilus cornutus* Wied. (G. R. Gray, List. Gen. Bds., 1840, p. 14).

*cf.* Simon, Hist. Nat. Trochil., 1921, p. 215; 390.

#### *Heliactin cornuta* (Wied)

*Trochilus cornutus* Wied, Reise Bras., 2, 1821, p. 190, note. (Campos Geraes, near the sources of the Rio San Francisco, Brazil.)

Central and eastern Brazil in states of Matto Grosso, Goyaz, Minas Geraes, Maranhão, Piauhý, Bahia and São Paulo.

#### GENUS LODDIGESIA BONAPARTE

*Loddigesia* "Gould" Bonaparte, Consp. Av., 1, Mar., 1850, p. 80.

Type, by monotypy, *Trochilus mirabilis* Loddiges *i.e.* Bourcier.

*Loddigiornis* Bonaparte, Compt. Rend. Acad. Sci. Paris, 30, 8 Apr., 1850, p. 381, in text. Type, by monotypy, *Trochilus mirabilis* Bourcier.

*cf.* Simon, Hist. Nat. Trochil., 1921, p. 216; 390.

#### *Loddigesia mirabilis* (Bourcier)

*Trochilus mirabilis* Bourcier (*ex* Loddiges MS), Proc. Zool. Soc. London, pt. 15, 1847, p. 42. (Chachapoyas, Perú.)

Andes of northern Perú at elevations ranging from 7000 to 9000 feet.

#### GENUS HELIOMASTER BONAPARTE

*Heliomaster* Bonaparte, Consp. Av., 1, Mar. 1850, p. 70. Type, by subsequent designation, *Orn. angel.* = *Ornismya angelae* Lesson = *Trochilus furcifer* Shaw. (Bonaparte, Compt. Rend. Acad. Sci. Paris, 30, 8 Apr., 1850, p. 382.)

*Helioster* Gould, Monogr. Trochil., pt. 5, May, 1853, text to pl. of *Heliomaster pinicola* [= 4, pl. 261 of volume] alternate spelling.

*Anthoscenus* Richmond, Proc. Biol. Soc. Wash., 15, 1902, p. 85. New name for *Floricola* Elliot, 1878, not of Gistel, 1848.<sup>1</sup> Type, by original designation, *Trochilus longirostris* Vieillot, *i.e.* Shaw.

<sup>1</sup> The recognition of the genus *Anthoscenus* is hardly justified; both *constantii* and *longirostris* with their almost square tails, normal rectrices, partly exposed

- Anthoscaenus* Hellmayr, Nov. Zool., 13, 1906, p. 36 (emendation).  
*Anthoscaenus* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39 (emendation).  
 cf. Dickey and van Rossem, Field Mus. Nat. Hist. Publ., Zool. Ser., 23, 1938, p. 274-277.  
 Griscom, Bull. Am. Mus. Nat. Hist., 64, 1932, p. 210-211.  
 Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 344-353 (*Anthoscaenus*).  
 Simon, Hist. Nat. Trochil., 1921, p. 216-220; 391-394. (*Heliomaster*, *Lepidolarynx*, *Anthoscaenus*).

**?*Heliomaster constantii surdus* (van Rossem)**

*Anthoscaenus constantii surdus* van Rossem, Bull. Mus. Comp. Zool., 77, 1934, p. 439. (Alamos, Sonora.)

Arid tropical zone of southern Sonora and northern Sinaloa; doubtfully distinct from *H. c. leocadiae*.

***Heliomaster constantii leocadiae* (Bourcier and Mulsant)**

*Trochilus leocadiae* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. nat. etc., Lyon (2), 4, 1852, p. 141. (México; restricted to Acapulco, Guerrero by van Rossem, *antea*, 1934.)

Arid tropical zone of western México in states of Nayarit, Jalisco, Guerrero, Michoacán, Oaxaca and Chiapas; western Guatemala (except Pacific slope).

***Heliomaster constantii constantii* (DeLattre)**

*Ornismya constantii* DeLattre, Écho du Monde Savant, 10<sup>e</sup> ann., ser. 2, no. 45, 1843, col. 1069, in text. (Guatemala, error, Bolsón, Costa Rica, substituted by Griscom, *antea*, p. 210.)

Arid tropical zone of Central America in El Salvador, Nicaragua and Costa Rica.

***Heliomaster longirostris pallidiceps* Gould**

*Heliomaster pallidiceps* Gould, Introd. Trochil., 1861, p. 139. (México and Guatemala = Jalapa, Vera Cruz.)

Tropical zone of southern México in states of Guerrero, Vera Cruz, Oaxaca and Chiapas; Pacific slope of Guatemala; El Salvador, Honduras and Nicaragua.

nasal scales and bills broad at the base, are very different in appearance from *furcifer* with its forked tail, somewhat pointed rostrum, mostly concealed nasal scales and bill not expanded basally. *H. squamosus* however occupies a position intermediate in all respects between both extremes. In such cases I think it is better to merge the genera involved rather than to maintain the extremes and in addition to recognize the intermediate species as a separate genus. Those wishing to pursue the latter course will find *Lepidolarynx* Reichenbach, 1854, available for *squamosus*.

***Heliomaster longirostris longirostris* (Audebert and Vieillot)<sup>1</sup>**

*Trochilus longirostris* Audebert and Vieillot, Ois. Dorés, 1, 1801, p. 107, pl. 59. (West Indies, *i.e.* Trinidad.)

*Heliomaster veraguensis* Boucard, Gen. Humming Birds, 1895, p. 304. (Veragua, Panamá.)

*Anthoscenus longirostris* var. *chalcura* Simon, Hist. Nat. Trochil., 1921, p. 219, 392. (Costa Rica.)

*Anthoscenus longirostris caeruleiceps* Bond and deSchauensee, Notulae Naturae, no. 93, 1941, p. 3. (Huanay, 1500 feet, Río Mapi, Dept. of La Paz, Bolivia.)

Eastern and southwestern Costa Rica, Panamá, east to the Canal Zone, Darien, northern Colombia, Venezuela, Island of Trinidad, the Guianas, eastern Perú, and northern Brazil in states of Amazonas, Pará, Maranhão, Goyaz and Matto Grosso; Bolivia in depts. of La Paz and Santa Cruz.

***Heliomaster longirostris stuartae* Lawrence**

*Heliomaster Stuartæ* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 7, 1860, p. 107. (Bogotá, Colombia.)

?*Floricola superba sotara* Floericke, Mitt. Voeglw., 19, 1920, p. 2-4. (Colombia?)<sup>2</sup>

Tropical zone of Colombia (except northern part).

***Heliomaster longirostris albicrissa* Gould**

*Heliomaster albicrissa* Gould, Proc. Zool. Soc. London, 1871, p. 504. (Citado, Ecuador.)

Tropical zone of western Ecuador and northwestern Perú.

***Heliomaster squamosus* (Temminck)**

*Trochilus squamosus* Temminck, Pl. col., livr. 34, 1823, pl. 203, f. 1. (Brazil, restricted to Bahia by Pinto, Rev. Mus. Paulista, 22, 1938, p. 282.)

East-central Brazil in states of Pernambuco, Bahia, Goyaz, Minas Geraes, Rio de Janeiro and São Paulo.

***Heliomaster furcifer* (Shaw)**

*Trochilus Furcifer* Shaw, Gen. Zool., 8, pt. 1, 1812, p. 280. (Paraguay.)

Central and southern Brazil in states of Matto Grosso, Goyaz and Rio Grande do Sul; Bolivian Chaco; Paraguay; Uruguay; northern Argentina south to Catamarca, Córdoba and Buenos Aires.

<sup>1</sup> This is *Floricola superba* (Shaw) of Sharpe's Hand-list.

<sup>2</sup> Original not seen; so cited in Zoological Record for 1922.

## GENUS RHODOPIS REICHENBACH

- Calliphlox*  $\gamma$  *Rhodopis* Reichenbach, Journ. f. Orn., **1**, 1854, Beil. zu Extrah., p. 12. Type, by monotypy, *Ornismya vesper* Lesson.  
cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **19**, 1932, p. 237-240.  
Simon, Hist. Nat. Trochil., 1921, p. 223; 394-395.

**Rhodopis vesper tertia**<sup>1</sup> Hellmayr

*Rhodopis vesper tertius* Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **19**, 1932, p. 240, note. (Tembladera, Dept. of Cajamarca, Perú.)

Northern Perú in departments of Libertad, Cajamarca and Piura, from sea level to 1500 feet.

**Rhodopis vesper vesper** (Lesson)

*Ornismya vesper* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xv, 85, pl. 19. (Chile.)

Southwestern Perú, and northern Chile in provinces of Tacna and Tarapacá.

**Rhodopis vesper atacamensis** (Leybold)

*Trochilus atacamensis* Leybold, Ann. Univ. Chile, **32**, 1869, p. 43. (Quinta de Sápulen, Copiapó, Chile.)

Northern Chile in Province of Atacama.

## GENUS THAUMASTURA BONAPARTE

- Thaumastura* Bonaparte, Consp. Av., **1**, Mar., 1850, p. 85. Type, by subsequent designation, *Trochilus* [i.e. *Orthorhynchus*] *cora* Lesson. (G. R. Gray, Cat. Gen. Subgen Bds., 1855, p. 21.)  
cf. Simon, Hist. Nat. Trochil., 1921, p. 223-224; 395.  
Zimmer, Field Mus. Nat. Hist. Publ., Zool. Ser., **17**, 1930, p. 291-292.

**Thaumastura cora** (Lesson)

*Orthorhynchus Cora* Lesson, Voy. 'Coquille,' Atlas, 1826 (1827), pl. 31, f. 4; Zool., **1**, 1826 (1830), p. 682. (Between Callao and Lima, Perú.)

*Thaumastura cora montana* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., **1**, 1913, p. 286. (Hacienda Llagueda, 7000 feet, 20 miles northeast of Otuzco, Perú.)

*Thaumastura Cora* var. *cyanescens* Simon, Hist. Nat. Trochil., 1921, p. 224; 395. (Tulpo, Perú.)

Western Perú.

<sup>1</sup> The gender of *Rhodopis* is feminine.

GENUS **PHILODICE** Mulsant, J. and E. Verreaux

*Philodice* Mulsant, Verreaux and Verreaux, Mém. Soc. Imp. Sci. Nat. Cherbourg, **12**, 1866, p. 230. [Essaie Classif. Méth. Trochil., p. 86.] Type, by monotypy, *Trochilus mitchellii* Bourcier.

*Nesophlox* Ridgway, Proc. Biol. Soc. Wash., **23**, 1910, p. 55. Type, by original designation, *Trochilus evelynae* Bourcier.

*cf.* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 639-646 (Nesophlox.)

Simon, Hist. Nat. Trochil., 1921, p. 226-227; 395-396 (Philodice and Nesophlox.)

**Philodice evelynae evelynae** (Bourcier)

*Trochilus Evelynæ* Bourcier, Proc. Zool. Soc. London, pt. 15, May, 1847, p. 44. (Nassau, New Providence Id., Bahamas.)

*Trochilus Evelynæ* Bourcier, Rev. Zool., Aug. (or later), 1847, p. 256. (Nassau, New Providence Id., Bahamas.)

All of the Bahama Islands except the Caicos Group and Inagua.

**Philodice evelynae lyrura** (Gould)

*Doricha lyrura* Gould, Ann. and Mag. Nat. Hist. (4), **4**, 1869, p. 111, 112. (Inagua Island, Bahamas.)

Confined to Great Inagua Island, Bahamas.

**Philodice evelynae salita** (Greenway)

*Nesophlox evelynae salita* Greenway, Proc. New England Zool. Cl., **15**, 1936, p. 105. (Cockburn Harbor, South Caicos Island, Bahamas.)

Caicos Group, Bahamas.

**Philodice bryantæ** (Lawrence)

*Doricha bryantæ* Lawrence, Ann. Lyc. Nat. Hist. N. Y., **8**, 1867, p. 483. (Costa Rica.)

Highlands of Costa Rica and western Panamá.

**Philodice mitchellii** (Bourcier)

*Trochilus Mitchellii* Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 47. (Zimapan.)

*Trochilus Mitchellii* Bourcier, Rev. Zool., Aug. (or later), 1847, p. 259. (Zimapan.)

Western Colombia and western Ecuador.

GENUS **DORICHA** REICHENBACH

*Calliphlox*  $\beta$  *Doricha* Reichenbach, Journ. f. Orn., **1**, 1854, Beil. zu Extrah., p. 12. Type, by monotypy, *Trochilus enicurus* Vieillot.



*Piocercus* Simon, Notice sur les Travaux Scientifiques, 1918, p. 39.

Type, by original designation, *Trochilus eliza* Lesson and DeLattre.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 647-651.

Simon, Hist. Nat. Trochil., 1921, p. 227-228; 229; 396-397; 398.

**Doricha enicura** (Vieillot)

*Trochilus enicurus* Vieillot, Nouv. Dict. Hist. Nat., 23, 1818, p. 429.

(Brazil, error = Guatemala.)

Highlands of Chiapas, Guatemala and El Salvador.

**Doricha eliza** (Lesson and DeLattre)

*Trochilus eliza* Lesson and DeLattre, Rev. Zool., 1839, p. 20. (Between Vera Cruz and Jalapa, Vera Cruz, México.)

Drier parts of southeastern México in states of Vera Cruz and Yucatán; Holbox Island.

GENUS **TILMATURA** REICHENBACH

*Tryphæna* Gould, Monogr. Trochil., pt. 1, 1849, pl. [14] and text [= 3, pl. 158 of volume]. Type, by subsequent designation, *Ornismya dupontii* Lesson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.) Not *Triphaena* Ochsenheimer, 1816, Lepidoptera.

*Tilmatura* Reichenbach, Trochil. enum., 1855, p. 5.<sup>1</sup> Type, by monotypy, *Trochilus lepidus* Reichenbach = *Ornismya dupontii* Lesson.

cf. Berlioz, L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 12-13.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 637-639.

**Tilmatura dupontii** (Lesson)

*Ornismya dupontii* Lesson, Hist. Nat. Colibris, Suppl. Hist. Nat. Ois.-Mouches [1832], p. 100, pl. 1. (México.)

*Tilmatura dupontii xenoura* Griscom, Proc. New England Zool. Cl., 13, 1932, p. 59. (Cerro Cantoral, 6500 feet, Dist. of Achaga, Honduras.)

Southern México in states of Jalisco, Guerrero, México, Vera Cruz and Chiapas; highlands of Guatemala, Honduras and northern Nicaragua.

GENUS **MICROSTILBON** TODD

*Microstilbon* Todd, Proc. Biol. Soc. Wash., 26, 1913, p. 174. Type, by original designation, *Microstilbon insperatus* Todd = *Chaeiocercus burmeisteri* Selater.

cf. Simon, Hist. Nat. Trochil., 1921, p. 228-229; 397-398.

<sup>1</sup> This name is a *nomen nudum* in Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 8.

**Microstilbon burmeisteri** (Selater)

*Chætocercus burmeisteri* Selater, Proc. Zool. Soc. London, 1887, p. 639. (Valle del Taffí, Tucumán, Argentina.)

*Microstilbon insperatus* Todd, Proc. Biol. Soc. Wash., 26, 1913, p. 174. (Buenavista, Province of Sara, Bolivia.)

Central and southern Bolivia; northern Argentina in provinces of Salta, Jujuy and Tucumán.

GENUS **CALOTHORAX** GRAY

*Calothorax* G. R. Gray, List Gen. Bds., 1840, p. 13. Type, by original designation, *C. cyanopogon* (Less.) = *Cynanthus lucifer* Swainson.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 651-656. Simon, Hist. Nat. Trochil., 1921, p. 229; 398.

**Calothorax lucifer** (Swainson)

*Cynanthus Lucifer* Swainson, Philos. Mag. (n.s.), 1, 1827, p. 442. (Temescaltepec, México).

*Trochilus Cohuatl* de la Llave, Registro Trimestre, 2, 1833, p. 47. (México).

Southwestern United States in southern Arizona and western Texas; México in states of Sinaloa, Jalisco, Durango, Nuevo León, San Luis Potosí, Vera Cruz, Puebla, México, Hidalgo and Guerrero. Migratory in at least the northern part of its range.

**Calothorax pulcher** Gould

*Calothorax pulchra* Gould, Ann. and Mag. Nat. Hist. (3), 4, 1859, p. 97. (Oaxaca.)

Southern México in states of Guerrero, Puebla and Oaxaca.

GENUS **ARCHILOCHUS** REICHENBACH

*Selasphorus*  $\beta$  *Archilochus* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 13. Type, by monotypy, *Trochilus alexandri* Bourcier, i.e. Bourcier and Mulsant.<sup>1</sup>

**Archilochus colubris** (Linné)

*Trochilus Colubris* Linné, Syst. Nat., ed. 10, 1, 1758, p. 120. (North America = South Carolina ex Catesby.)

Breeds throughout the greater part of the eastern half of North America (west to about the middle of the Great Plains) from southern Alberta, southern Saskatchewan, southern Manitoba, southern Ontario, the St. Lawrence valley and Nova Scotia south to southern Texas, the Gulf Coast and Florida. Winters from middle Florida and

<sup>1</sup> Replaces *Trochilus* of Sharpe's Hand-list, part, species 1, 2 and 3.

Louisiana through southern México and Central America to Panamá; occurs casually in Cuba, Hispaniola, the Bahama Islands and Bermuda.

**Archilochus alexandri** (Bourcier and Mulsant)

*Trochilus Alexandri* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 330 (Sierra Madre, México).

*Trochilus Cassini* "Bonaparte" Goud, Monogr. Trochil., pt. 14, 1857, in text to pl. [4] of *Trochilus alexandri* [= 3, pl. 132 of volume] (California, ex Cassin, Bds. Calif., pl. 22.)

Breeds from southern British Columbia and western Montana south to northern Baja California, Sonora and Tamaulipas, east to central Texas. Winters in México south to Guerrero and the Distrito Federal.

NOTE. *Trochilus violajugulum* Jeffries, Auk, 5, 1888, p. 168 (Santa Barbara, California) is probably a hybrid. It is usually considered to be a cross between *Archilochus alexandri* and *Calypte anna*, though a recent examination of the type convinces me that *A. alexandri* and *Calypte costae* are the more probable parents.

GENUS **CALLIPHLOX** BOIE

*Calliphlox* Boie, Isis von Oken, 1831, col. 544. Type, by subsequent designation, *Trochilus amethystinus* Gm. i.e. Boddaert. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 23.)

cf. Simon, Hist. Nat. Trochil., p. 231; 399-400.

**Calliphlox amethystina** (Boddaert)

*Trochilus amethystinus* Boddaert, Table Pl. enlum., 1783, p. 41. (Cayenne, ex Daubenton, pl. 672, f. 1.)

*Calliphlox Roraimæ* Boucard, Humming Bird, 1, 1891, p. 52. (Mt. Roraima.)

*Calliphlox microptera* M. and W. Bertoni, An. Cient. Paraguayos (1), no. 1, 1901, p. 60. (Río Alto Paraná, Paraguay.)

Eastern Ecuador, northeastern Perú, northern Bolivia, eastern Venezuela, the Guianas, the greater part of Brazil, Paraguay and northeastern Argentina (Misiones); erroneously recorded from Trinidad.<sup>1</sup>

GENUS **MELLISUGA** BRISSON

*Mellisuga* Brisson, Orn., 1, 1760, p. 40; 3, 1760, p. 694. Type, by tautonymy, *Mellisuga* [*mellisuga*] = *Trochilus minimus* Linné.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 583-587.

Simon, Hist. Nat. Trochil., 1921, p. 232-233; 400-401. (*sub nom.*

*Dyrinia* Mulsant and Verreaux.)

<sup>1</sup> See Belcher and Smooker, Ibis, 1936, p. 34-35.

**Mellisuga minima minima** (Linné)

*Trochilus minimus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 121.  
(America = Jamaica, *ex* Edwards, pl. 105.)

Island of Jamaica, Greater Antilles.

**Mellisuga minima vieilloti** (Shaw)

*Trochilus Vielloti* [sic] Shaw, Gen. Zool., 8, pt. 1, 1812, p. 347.  
(Hispaniola.)<sup>1</sup>

Islands of Hispaniola, Gonave and Tortue, Greater Antilles.

GENUS **CALYPTE** GOULD

*Calypte* Gould, Monogr. Trochil., pt. 11, May, 1856, pl. [5, 6, 7] and text [= 3, pl. 134, 135, 136 of volume]. Type, by subsequent designation, *Ornismya costae* Bourcier. (Baird, Brewer and Ridgway, Hist. No. Am. Bds., Land Bds., 2, 1875, p. 453).

*Zephyritis* Mulsant, J. and E. Verreaux, Mém. Soc. Imp. Sci. Nat. Cherbourg, 12, 1866, p. 31.<sup>2</sup> Type, by subsequent designation, *Ornismya anna* Bourcier (Simon, Notice sur les Travaux Scientifiques, 1918, p. 40.)<sup>3</sup>

*Leucaria* Mulsant, Ann. Soc. Linn. Lyon (n.s.), 22, 1876, p. 227.<sup>4</sup>  
Type, by monotypy [*Ornismya*] *costae* Bourcier.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 618-627.  
Simon, Hist. Nat. Trochil., 1921, p. 233-234; 401 (*Zephyritis*, *Calypte*).

**Calypte anna** (Lesson)

*Ornismya Anna* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xxxj, 205, pl. 74. (California = San Francisco.)

Upper austral zone of California, chiefly west of the Sierra Nevada, and the northwestern portion of Baja California. Winters throughout the greater part of its breeding range, withdrawing but slightly from the northern parts.

**Calypte costae** (Bourcier)

*Ornismya Costæ* Bourcier, Rev. Zool., 1839, p. 294. (California = Magdalena Bay, Baja California.)

<sup>1</sup> Replaces *Ornismia cathartica* Sallé, 1849; cf. Wetmore and Swales, Bull. U. S. Nat. Mus., no. 155, 1931, p. 267-270.

<sup>2</sup> Also cited as a separately issued reprint "Essai Classif. Méth. Trochil.," p. 87.

<sup>3</sup> Simon's designation of *Ornismya anna* as the type of the genus *Zephyritis* is the first valid one that I have been able to discover, previous revisers having either failed to designate a type, or regard *Ornismya fanny* Lesson as such. The latter is not one of the originally included species.

<sup>4</sup> Also cited as a separately issued reprint "Cat. Ois.-Mouches", p. 31.

Breeds in western North America in the upper austral zone from southern California and southwestern Utah to southern Baja California, Arizona and southern New Mexico. Winters in southern Baja California and northwestern México.

***Calypte helenae* (Lembeye)**

*Orthorhynchus helenæ* Gundlach MS, Lembeye, Aves de la Isla de Cuba, 1850, p. 70, pl. 10, f. 2. (Cárdenas, Cuba.)

Cuba and the Isle of Pines.<sup>1</sup>

**GENUS *STELLULA* GOULD**

*Stellula* Gould, Intro. Trochil., 1861, p. 90. Type, by monotypy, *Trochilus calliope* Gould.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 587-591.  
Simon, Hist. Nat. Trochil., 1921, p. 234; 402.

***Stellula calliope calliope* (Gould)**

*Trochilus (Calothorax) Calliope* Gould, Proc. Zool. Soc. London, pt. 15, 1847, p. 11. (México.)

Breeds in the mountains of western North America from southern British Columbia and southwestern Alberta, south to northern Baja California, Arizona and New Mexico. Winters chiefly in south-central México.

***Stellula calliope lowei* Griscom**

*Stellula calliope lowei* Griscom, Bull. Mus. Comp. Zoöl., 75, 1934, p. 380. (Taxco, Guerrero.)

Mountains of Guerrero.

**GENUS *ATTHIS* REICHENBACH**

*Trochilus* ♂ *Atthis* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu Extrah., p. 12. Type, by subsequent designation, *Ornismya heloisa* Lesson and DeLattre. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 141.)

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 591-595.  
Simon, Hist. Nat. Trochil., 1921, p. 235; 402.

***Atthis heloisa margarethae* Moore**

*Atthis heloisa margarethae* Moore, Proc. Biol. Soc. Wash., 50, 1937, p. 98. (Rancho Batel, five miles north of Santa Lucía, Sinaloa.)

Transition zone in the mountains of southwestern Chihuahua and southeastern Sinaloa.

<sup>1</sup>The relationships of this species are probably not with *Calypte costae* or *C. anna* in spite of the structural resemblance of the adult males. It seems to me more probable that *C. helenae* will be found more closely allied to *Mellisuga*.

**Atthis heloisa heloisa** (Lesson and DeLattre)

*Ornismya Heloisa* Lesson and DeLattre, Rev. Zool., 1839, p. 15.  
(Jalapa and Quatepu [= Coatepec] Vera Cruz.)

*Atthis morcomi* Ridgway, Auk, 15, 1898, p. 325. (Huachuca Mts., Arizona.)<sup>1</sup>

Central and southern México from Jalisco (?), Nayarit, Nuevo León and Tamaulipas, south to Oaxaca and Vera Cruz; accidental in Arizona.

**Atthis heloisa ellioti** Ridgway

*Atthis ellioti* Ridgway, Proc. U. S. Nat. Mus., 1, 1878, p. 8, 9 and fig. (Volcán de Fuego, Guatemala.)

Highlands of Chiapas and Guatemala.<sup>2</sup>

**Atthis heloisa selasphoroides** Griscom

*Atthis heloisa selasphoroides* Griscom, Proc. New England Zool. Cl., 13, 1932, p. 58. (Cerro Cantoral, 6500 feet, Dist. of Achagua, Honduras.)

Highlands of Honduras.

GENUS **MYRTIS** REICHENBACH

*Lucifer*  $\beta$  *Myrtis* Reichenbach, Journ. f. Orn., 1, 1854, Beil. zu. Extrah., p. 13. Type by subsequent designation, *Ornismya fanny* Lesson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 140.)

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1926, p. 324 (range).  
Simon, Hist. Nat. Trochil., 1921, p. 236; 402-403 (part, first species).

**Myrtis fanny** (Lesson)

*Ornismya Fanny* Lesson, Ann. Sci. Nat., Zool. (2), 9, 1838, p. 170.  
(Locality unknown, supposed to be from México; error = Perú.)

All Ecuador from sea level to the temperate zone; western Perú.

GENUS **EULIDIA** MULSANT AND VERREAUX

*Eudisia* Mulsant, Ann. Soc. Linn. Lyon (n.s.), 22, 1876, p. 228.  
Type, by monotypy, *Trochilus yarrellii* Bourcier. Not *Eudisia* Mulsant, t.c., p. 216.

*Eulidia* Mulsant and E. Verreaux, Hist. Nat. Ois. Mouches, 4, 1877, p. 114. Type, by monotypy, *Trochilus yarrellii* Bourcier.

<sup>1</sup> cf. Bangs, Condor, 29, 1927, p. 118-119.

<sup>2</sup> Berlioz (L'Ois. et Rev. Franç. d'Orn. (n.s.), 8, 1938, p. 13-15), would separate this form, together with the next, as a distinct species by reason of the different shape of the tip of the outer primary from that of the typical race.

cf. Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., 19, 1932, p. 241 (range).

Simon, Hist. Nat. Trochil., 1921, p. 236; 403. (Myrtis, part, second species, excl. range.)

**Eulidia yarrellii** (Bourcier)

*Trochilus Yarrellii* Bourcier, Proc. Zool. Soc. London, pt. 15, 1847, p. 45. (Montevideo, error; Arica, Chile, substituted by Hellmayr *antea*.)

Coast of northern Chile.

GENUS **MYRMIA** MULSANT

*Myrmia* Mulsant, Ann. Soc. Linn. Lyon (n.s.), 22, 1876, p. 228.

Type, by monotypy, *Calothorax micrurus* Gould.

cf. Simon, Hist. Nat. Trochil., 1921, p. 236; 403.

**Myrmia micrura** (Gould)

*Calothorax micrurus* Gould, Monogr. Trochil., pt. 7, May, 1854, pl. [2] and text [= 3, pl. 148 of volume]. (Perú.)

*Calothorax micrurus* Gould, Proc. Zool. Soc. London, pt. 21, 1853 (25 July, 1854), p. 109. (Perú.)

Arid portions of western Ecuador and western Perú.

GENUS **ACESTRURA** GOULD

*Acestrura* Gould, Intr. Trochil., 1861, p. 91. Type, by subsequent designation, *Ornismya mulsanti* Bourcier. (Elliot, Classif. Syn. Trochil., 1879, p. 119.)

cf. Chapman, Bull. Am. Mus. Nat. Hist., 55, 1936, p. 325-326.

Simon, Hist. Nat. Trochil., 1921, p. 237-239; 403-404.

**Acestrura mulsanti** (Bourcier)

*Ornismya Mulsanti* Bourcier, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 5, 1842, p. 344, pl. 20.<sup>1</sup> (Colombia and Bolivia.)

Subtropical and temperate zones of the Andes from Colombia to Bolivia.

?**Acestrura decorata** (Gould)

*Calothorax decoratus* Gould, Proc. Zool. Soc. London, 1860, p. 309. ("Supposed to be from Antioquia in Colombia.") Col. pl., Gould, Monogr. Trochil., pt. 24, Sept. 1861, pl. [9] [= 3, pl. 146 of volume].

Known only from the unique type; status or relationships uncertain.

<sup>1</sup> The plate is lettered "Le Mulsant."

**Acestrura bombus** (Gould)

*Chaetocercus bombus* Gould, Proc. Zool. Soc. London, 1870 (1871), p. 804. (Citado, Ecuador.)

Tropical zone of eastern and western Ecuador southward into northern Perú.

**Acestrura heliodor astreans** Bangs

*Acestrura astreans* Bangs, Proc. New England Zool. Cl., 1, 1899, p. 76. (San Sebastian, 6600 feet, Santa Marta Mts., Colombia.)

Confined to the west and south slopes of the Santa Marta Mts. in northern Colombia.

**Acestrura heliodor heliodor** (Bourcier)

*Ornismya heliodor* Bourcier, Rev. Zool., 1840, p. 275. (Bogotá.)

Subtropical zone of the mountains of Mérida in Venezuela, Andes of Colombia and western Ecuador.

**Acestrura heliodor cleavesii** (Moore)

*Chaetocercus cleavesii* Moore, Condor, 36, 1934, p. 3 and col. pl. (Cuyuja, northeastern Ecuador.)

Humid subtropical zone in northeastern Ecuador.

**Acestrura berlepschi** (Simon)

*Chaetocercus Berlepschi* Simon, Mém. Soc. Zool. France, 2, 1889, p. 230. (Ecuador.)<sup>1</sup>

Tropical zone of western Ecuador.

**Acestrura harterti** (Simon)

*Polyxemus Harterti* Simon, Ornith., 11, 1901, p. 202. (Western Colombia; type from Ibagüe.)

Central Andes of Colombia at Ibagüe; "San José," Ecuador.

GENUS **CHAETOCERCUS** G. R. GRAY

*Chaetocercus* G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 22. Type, by original designation and monotypy, *Trochilus* (i.e. *Ornismya*) *jourdanii* Bourcier.

cf. Simon, Hist. Nat. Trochil., 1921, p. 239-240; 405.

<sup>1</sup> In the original description it is said that the type was received with a lot of birds from Ecuador; the author then suggests that it may have come from the eastern slopes, there replacing *A. bombus* which at that time was known only from western Ecuador. In 1921 Simon gave the region of the Napo as type locality. Apparently *berlepschi* is at present known definitely only from western Ecuador.



**Chaetocercus jourdanii jourdanii** (Bourcier)

*Ornismya Jourdanii* Bourcier, Rev. Zool., 1839, p. 295. (Trinidad.)

Island of Trinidad; Andes of Cumaná, northeastern Venezuela.

**Chaetocercus jourdanii rosae** (Bourcier and Mulsant)

*Trochilus Rosæ* Bourcier and Mulsant, Ann. Sci. Phys. et Nat. d'Agric. et d'Ind., Soc. roy. etc., Lyon, 9, 1846, p. 326. (Caracas, Venezuela.)<sup>1</sup>

Andes of northern and western Venezuela: Silla de Caracas, Cerro del Avila, Andes of Mérida; Eastern Andes of Colombia.

GENUS **SELASPHORUS** SWAINSON

*Selasphorus* Swainson, in Swainson and Richardson, Fauna Bor.-Am., 2, 1831 (1832), p. 324. Type, by monotypy, *Trochilus rufus* Gmelin.

cf. Bent, Bull. U. S. Nat. Mus., no. 176, 1940, p. 387-417.

Carriger, Ann. Carnegie Mus., 6, 1910, p. 547-551.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 595-618.

Simon, Hist. Nat. Trochil., 1921, p. 240-244; 405-407.

**Selasphorus platycercus platycercus** (Swainson)

*Trochilus platycercus* Swainson, Philos. Mag. (n.s.), 1, 1827, p. 441.

(No locality = México.)

Breeds in the mountainous parts of North America from central Nevada, northern Utah and northern Wyoming south to northern Sonora, Chihuahua and eastern San Luis Potosí, west to eastern California. Winters chiefly in west-central México.

**Selasphorus platycercus guatemalae** Griscom

*Selasphorus platycercus guatemalae* Griscom, Proc. New England Zool. Cl., 12, 1930, p. 2. (Quetzaltenango, Guatemala.)

Temperate zone on the higher volcanoes of western Guatemala.

**Selasphorus rufus** (Gmelin)

*Trochilus rufus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 497. ("In sinu Americae Natka," i.e. Nootka Sound, Vancouver Island.)

Breeds in western North America from southeastern Alaska, northern British Columbia and southwestern Alberta, south to central California, southern Idaho and southern-western Montana. Winters chiefly in west-central México.

<sup>1</sup> This name is a *nomen nudum* in Rev. Zool., 1846, p. 316.

**Selasphorus sasin sasin** (Lesson)<sup>1</sup>

*Ornismya Sasin* Lesson, Hist. Nat. Ois.-Mouches [1829], p. xxx, p. 190, pl. 66; excl. synonymy and pl. 67. (Nootka Sound, vicinity of Monterey and San Francisco, California, = San Francisco.)

Breeds in the coastal district of California from Humboldt Bay, southward; San Pedro Martír Mts., Baja California (?). Probably winters in northwestern México.

**Selasphorus sasin sedentarius** Grinnell

*Selasphorus alleni sedentarius* Grinnell, Condor, **31**, 1929, p. 226. (Smuggler's Cove, San Clemente Island, California.)

Resident on San Clemente and Santa Catalina Islands; probably also other islands in the Santa Barbara Group.

**Selasphorus flammula** Salvin

*Selasphorus flammula* Salvin, Proc. Zool. Soc. London, 1864, p. 586. (Volcán de Cartago, i.e. Volcán de Irazú, Costa Rica.)

Highlands of Costa Rica; Volcán de Turrialba, Volcán de Irazú, Cerro de la Candelaria.

**Selasphorus torridus** Salvin

*Selasphorus torridus* Salvin, Proc. Zool. Soc. London, 1870, p. 208. (Volcán de Chiriquí, Panamá.)

*Selasphorus torridus* var. *vidua* Simon, Hist. Nat. Trochil., 1921, p. 241. (No locality; name proposed for an individual variant not intended in the subspecific sense.)

Highlands of Costa Rica: Volcán de Turrialba, Volcán de Irazú, Cerros de Dota; highlands of western Panamá: Volcán de Chiriquí.<sup>2</sup>

**Selasphorus simoni** Carriker

*Selasphorus simoni* Carriker, Ann. Carnegie Mus., **6**, 1910, p. 550. (Volcán de Barba, Costa Rica.)

Highlands of Costa Rica: Volcán de Barba, Volcán de Poas, Las Cruces de Candelaria.

**Selasphorus ardens** Salvin

*Selasphorus ardens* Salvin, Proc. Zool. Soc. London, 1870, p. 209. (Calovévora and Castillo, Panamá.)

<sup>1</sup> Replaces *Selasphorus alleni* Henshaw 1877; vide Grinnell, Condor, **33**, 1931, p. 77-78.

<sup>2</sup> I have kept the members of the genus *Selasphorus* that are native to the highlands of Costa Rica and western Panamá as distinct species. Their relationships are not clear, though *torridus* is almost certainly an aberration of *flammula*, and it is probable that at some time others may be reduced to subspecific rank or perhaps sunk in synonymy. Nothing more is known about these humming birds to-day than was expressed by Carriker, *antea*.

Highlands of western Panamá: Castillo and Calovévora, Veraguas; Volcán de Chiriquí.

***Selasphorus scintilla* (Gould)**

*Trochilus (Selasphorus) scintilla* Gould, Proc. Zool. Soc. London, 1850 (1851), p. 162. (Volcán de Chiriquí, 9000 feet, Panamá.)

*Selasphorus underwoodi* Salvin, Bull. Brit. Orn. Cl., 6, 1897, p. xxxviii. (Volcán de Irazú, Costa Rica.)

Highlands of Costa Rica and western Panamá.

NOTE. *Selasphorus floresii* Gould, Monogr. Trochil., pt. 23, 1861, pl. [10] and text [= 3, pl. 139 of volume]. (Bolaños, Jalisco, México) is now admitted to be a hybrid between *Selasphorus sasin* and *Calypte anna*.

## ORDER COLIIFORMES

### FAMILY COLIIDAE

#### GENUS COLIUS BRISSON

*Colius* Brisson, Orn., 1, 1760, p. 36; 3, p. 304. Type, by tautonymy, *Loxia colius* Linné.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 139-146.

Chapin, Journ. f. Orn., 1929, Ergänzungs. II, p. 174-183.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 469-479.

Friedman, Bull. U. S. Nat. Mus., no. 153, 1930, p. 321-337.

Mackworth-Praed and C. Grant, Ibis, 1940, p. 141-147.

Reichenow, Vög. Afr., 2, 1902, p. 201-211.

Sclater, Bds. So. Afr., 3, 1903, p. 93-100.

#### SUBGENUS COLIUS BRISSON

***Colius striatus nigricollis* Vieillot**

*Colius nigricollis* Vieillot, Nouv. Dict. Hist. Nat., 7, 1817, p. 378, (Malimbe, Portuguese Congo.)

*Colius nigriscapalis* Reichenow, Journ. f. Orn., 40, 1892, p. 180, 218. (Buea Cameroon Mountain.)

Northern Nigeria through Cameroon to the lower Congo and east to the Ubangi-Shari.

***Colius striatus leucophthalmus* Chapin**

*Colius nigricollis leucophthalmus* Chapin, Am. Mus. Novit., no. 7, 1921, p. 2. (Niagara, Uelle district, Belgian Congo.)

Southern Bahr el Ghazal and the northeastern part of the Congo south to the Nepoko River.

***Colius striatus leucotis* Rüppell**

*Colius leucotis* Rüppell, Mus. Senckenb., 3, 1839, p. 42, pl. 2, f. 2.  
(Temben Province, Ethiopia.)

Eritrea, Bogosland, Ethiopia north of the upper Blue Nile and the adjacent parts of the Sudan.

***Colius striatus hilgerti* Zedlitz**

*Colius striatus hilgerti* Zedlitz, Orn. Monatsb., 18, 1910, p. 58.  
(Harar, Ethiopia.)

Eastern Ethiopia (Harar region) and northern and central Somali-land.

***Colius striatus erlangeri* Zedlitz**

*Colius striatus erlangeri* Zedlitz, Orn. Monatsb., 18, 1910, p. 58.  
(Djam-Djam, Ethiopia.)

Ethiopian Lake chain and the region between Hawash and the upper Blue Nile, west to the upper White Nile.

***Colius striatus jebelensis* Mearns**

*Colius striatus jebelensis* Mearns, Proc. U. S. Nat. Mus., 48, 1915, p. 394. (Gondokoro, Uganda.)

*Colius striatus ugandensis* van Someren, Bull. Brit. Orn. Cl., 40, 1919, p. 26. (Chagwe, Uganda.)

Upper Bahr el Jebel, Uganda, west to Lake Albert and the lower Semliki, possibly extending eastward to the Turkwel River region.

***Colius striatus kikuyensis* van Someren**

*Colius striatus kikuyensis* van Someren, Bull. Brit. Orn. Cl., 40, 1919, p. 27. (Nairobi, Kenya Colony.)

*Colius striatus marsabit* Jackson, Bull. Brit. Orn. Cl., 43, 1923, p. 167.  
(Marsabit, Kenya Colony.)

Western and central Kenya Colony south of Lake Rudolf and Marsabit.

***Colius striatus marangu* van Someren**

*Colius striatus marangu* van Someren, Journ. E. Afr. and Uganda Nat. Hist. Soc., 14, 1939, p. 55. (Marangu, south Kilimanjaro.)

Extreme northern Tanganyika Territory in the region to the southward of Mt. Kilimanjaro.

***Colius striatus cinerascens* Neumann**

*Colius leucotis cinerascens* Neumann, Journ. f. Orn., 48, 1900, p. 190.  
(Irangi, Tanganyika Territory.)

Interior of the northern half of Tanganyika Territory from the southern shore of Lake Victoria south to Tabora and Dodoma.

***Colius striatus affinis* Shelley**

*Colius leucotis affinis* Shelley, Ibis, 1885, p. 312. (Dar es Salaam.)

*Colius striatus mombassicus* van Someren, Bull. Brit. Orn. Cl., 40, 1919, p. 26. (Changamwe, Kenya Colony.)

*Colius striatus chyulu* van Someren, Journ. E. Afr. and Uganda Nat. Hist. Soc., 14, 1939, p. 53. (Chyulu Hills, Kenya Colony.)

Coastal districts of East Africa from southern Italian Somaliland to southern Tanganyika Territory.<sup>1</sup>

***Colius striatus berlepschi* Hartert**

*Colius leucotis berlepschi* Hartert, in Ansorge's Under the African Sun, 1899, app., p. 333. (New Heligoland, north of Lake Nyasa.)

Interior of the southern half of Tanganyika Territory, Nyasaland and northwestern Mozambique.

***Colius striatus kiwuensis* Reichenow**

*Colius kiwuensis* Reichenow, Orn. Monatsb., 16, 1908, p. 191. (Lake Kivu.)

Lower slopes of Mt. Ruwenzori south through the Kivu district and Ruanda to the northern end of Lake Tanganyika.

***Colius striatus congcicus* Reichenow**

*Colius leucotis congcicus* Reichenow, Mitt. Zool. Mus. Hamburg, 40, 1923, p. 63. (Lupungu, Lomami district, Belgian Congo.)

Belgian Congo from the Kasai district to the west shore of Lake Tanganyika, south to the upper Katanga.

***Colius striatus rhodesiae* Grant and Mackworth-Praed**

*Colius striatus rhodesiae* Grant and Mackworth-Praed, Bull. Brit. Orn. Cl., 58, 1938, p. 65. (Umtali, Southern Rhodesia.)

Eastern parts of Southern Rhodesia.

***Colius striatus minor* Cabanis**

*Colius minor* Cabanis, Journ. f. Orn., 24, 1876, p. 94. (Natal.)

*Colius kirbyi* Sharpe, Bull. Brit. Orn. Cl., 21, 1907, p. 32. (Lydenburg district, eastern Transvaal.)

Southeast Africa from the Rovuma River southward through Mozambique, Transvaal and Natal to eastern Cape Province.

***Colius striatus striatus* Gmelin**

*Colius striatus* Gmelin, Syst. Nat., 1, pt. 2, 1789, p. 843. (Cape of Good Hope.)

Southern Cape Province from Cape Town to King William's Town.

<sup>1</sup> Some race of *Colius striatus* formerly occurred on Pemba Island.

**Colius castanotus** Verreaux and Verreaux

*Colius castanotus* J. and E. Verreaux, Rev. et Mag. Zool. (2), **7**, 1855, p. 351. (No locality, according to Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 343, the type is from Gaboon.)<sup>1</sup>

Gaboon (?) and Angola south to Mossamedes.

**Colius colius** (Linné)

*Loxia Colius* Linné, Syst. Nat., ed. 12, **1**, 1766, p. 301. (Cape of Good Hope.)

*Colius colius damarensis* Reichenow, Journ. f. Orn., **47**, 1899, p. 418. (Damaraland.)

Western half of South Africa, north to Damaraland and east to the Transvaal.

**?Colius leucocephalus turneri** van Someren

*Colius leucocephalus turneri* van Someren, Bull. Brit. Orn. Cl., **40**, 1919, p. 27. (North Guaso Nyiro, Kenya Colony.)

Interior of Kenya Colony from Lake Rudolf to Mt. Kenya and east to southern Somaliland. Doubtfully distinct from the typical form.

**Colius leucocephalus leucocephalus** Reichenow

*Colius leucocephalus* Reichenow, Orn. Centralbl., 1879, p. 114. (Kinakomba, on the Tana River.)

Southeastern Kenya Colony (Teita and Taveta districts) and north-eastern Tanganyika Territory in the region about Mt. Kilimanjaro, also extending northward along the coast of Kenya Colony to the lower Tana River.

SUBGENUS **UROCOLIUS** BONAPARTE

*Urocolius* Bonaparte, Ateneo Italiano, Aug., 1854, p. 313 (separately paged reprint cited as Consp. Vol. Anisodactylorum, p. 3).<sup>2</sup>

Type, by subsequent designation, *Lanius macrourus* Linné. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 149.)

**?Colius indicus angolensis** Reichenow

*Colius indicus angolensis* Reichenow, Vög. Afr., **2**, 1902, p. 209. (Cuanza district, Angola.)

Angola south of the Cuanza River. Doubtfully distinct from *C. l. lacteifrons*.

<sup>1</sup> Chapin believes that the type may never have come from Gaboon, where it has not been secured by other collectors, but that it may have been actually taken in Angola.

<sup>2</sup> This name a *nomen nudum* in Ann. Sci. Nat. Zool. (4), **1**, 1854, p. 131.

***Colius indicus lacteifrons* Sharpe**

*Colius lacteifrons* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 345, in text. (Damaraland.)

Damaraland.

***Colius indicus pallidus* Reichenow**

*Colius indicus pallidus* Reichenow, Orn. Monatsb., **4**, 1896, p. 4. (Kionga, Rovuma River, Tanganyika Territory.)

Northern end of Lake Nyasa eastward to the Rovuma River and south to Mozambique (Lumbo, lat. 15° S.).

***Colius indicus ngamiensis* (Roberts)**

*Urocolius indicus ngamiensis* Roberts, Ann. Transvaal Mus., **15**, 1932, p. 26. (Maun, Ngamiland.)

Ngamiland.

***Colius indicus transvaalensis* Roberts**

*Colius indicus transvaalensis* Roberts, Ann. Transvaal Mus., **8**, 1922, p. 218. (Pretoria, Transvaal.)

Southern Rhodesia, Transvaal and Natal.

***Colius indicus indicus* Latham<sup>1</sup>**

*Colius indicus* Latham, Index Orn., **1**, 1790, p. 370. (India, error = Gamtoos River, Cape Province, *ex* Levaillant.)

Cape Province north to the Orange River.

***Colius macrourus macrourus* (Linné)**

*Lanius macrourus* Linné, Syst. Nat., ed., **12**, **1**, 1766, p. 134. (Senegal.)

*Colius macrourus syntactus* Oberholser, Proc. U. S. Nat. Mus., **28**, 1905, p. 863, in text. (Ethiopia.)

Thorn scrub and semiarid region of Senegal, Casamance and Portuguese Guinea across Africa through northern Nigeria, Lake Chad, French and Anglo-Egyptian Sudan to Eritrea, Ethiopia and British Somaliland.

***Colius macrourus pulcher* Neumann**

*Colius macrourus pulcher* Neumann, Journ. f. Orn., **48**, 1900, p. 190. (Teita, Kenya Colony.)

Western Uganda, southern Ethiopia and Italian Somaliland, south to northern Tanganyika Territory.

***Colius macrourus griseogularis* (van Someren)**

*Urocolius macrurus griseogularis* van Someren, Bull. Brit. Orn. Cl., **40**, 1919, p. 27. (Central Lake district, Kivu, Albert Edward and

<sup>1</sup> Replaces *Colius erythromelon* Vieillot, 1817, of Sharpe's Hand-list.

northern Tanganyika; type from south shore of Lake Albert Edward.)

Bahr el Jebel (Lado) south through the eastern edge of the Belgian Congo, and western Uganda south to the Rutshuru plain and the Kagera River.

## ORDER TROGONIFORMES

### FAMILY TROGONIDAE

#### GENUS PHAROMACHRUS DE LA LLAVE

*Pharomachrus* de la Llave, Registro Trimestre, **1**, 1832, p. 48. Type, by monotypy, *Pharomachrus mocino* de la Llave.

cf. Chapman, Bull. Am. Mus. Nat. Hist., **36**, 1917, p. 313; **55**, 1926, p. 328-330.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 733-740.

#### **Pharomachrus mocino mocino** de la Llave

*Pharomachrus Mocino* de la Llave, Registro Trimestre, **1**, 1832, p. 48. (Guatemala and Chiapas.)

Mountains of Chiapas, Guatemala, Honduras, El Salvador (Los Esesmites) and northern Nicaragua.

#### **Pharomachrus mocino costaricensis** Cabanis

*Pharomacrus costaricensis* Cabanis, Journ. f. Orn., **17**, 1869, p. 313, note. (Costa Rica.)

Higher mountains of Costa Rica and western Panamá.

#### **Pharomachrus mocino antisianus** (d'Orbigny)

*Trogon Antisianus* d'Orbigny, Mag. Zool., **7**, 1837, cl. 2, pl. 85 and text. (Yungas, Bolivia.)

*Trogon antiensis* d'Orbigny, Voy. Am. Mérid., **4**, 1835-44, Ois., p. 381, pl. 66, f. 1. (Yungas, Bolivia.)

Subtropical zone of the Mérida region of Venezuela, Colombia, Ecuador, Perú and Bolivia.

#### **Pharomachrus fulgidus festatus** Bangs

*Pharomachrus festatus* Bangs, Proc. Biol. Soc. Wash., **13**, 1899, p. 92. (Chirua, 7000 feet, Santa Marta Mts., Colombia.)

Subtropical zone of the Sierra Nevada de Santa Marta, Colombia.

#### **Pharomachrus fulgidus fulgidus** (Gould)

*Trogon fulgidus* Gould, Monogr. Trogonidae, 1838, pt. 3, pl. [9] and text [= pl. 24 of volume]. (Guiana? = northern Venezuela.)

Subtropical zone of the mountains of northeastern and north-central Venezuela.



**Pharomachrus pavoninus auriceps** (Gould)

*Trogon (Calurus) auriceps* Gould, Ann. and Mag. Nat. Hist., 9, 1842, p. 238. ("The Cordillerian Andes.")

*Pharomachrus xanthogaster* Turati and Salvadori, Proc. Zool. Soc. London, 1874 (1875), p. 652. (Colombia.)

*Trogon (Calurus) Hargitti* Oustalet, Le Naturaliste, 13, 1891, p. 261. (Interior of Venezuela.)

Subtropical zone of the Andes of Venezuela, Colombia, Ecuador (eastern slope), Perú and northern Bolivia.

**?Pharomachrus pavoninus heliactin** (Cabanis and Heine)

*P. [i.e. Tanypeplus] heliactin* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), heft 1, p. 207. (Nanegal and Pallatanga, Ecuador.)

Subtropical zone of western Ecuador, doubtfully separable from *P. p. auriceps*.

**Pharomachrus pavoninus pavoninus** (Spix)

*Trogon pavoninus* Spix, Av. Bras., 1, 1824, p. 47 bis, pl. 35. ("In sylvis Tabatingae et Marabitanas," i.e. Rio Negro, Amazonas, Brazil.)

Tropical zone of upper Amazonia from southeastern Colombia, eastern Ecuador and northeastern Perú to the Rio Negro and the Rio Juruá.

**Pharomachrus pavoninus viridiceps** Griscom and Greenway

*Pharomachrus pavoninus viridiceps* Griscom and Greenway, Bull. Mus. Comp. Zool., 81, 1937, p. 426. (Lower Amazon, Brazil.)

Lower Amazon valley: Rio Tapajóz.

GENUS **EUPTILOTTIS** GOULD<sup>1</sup>

*Euptilotis* Gould, Monogr. Trogonidae, ed. 2, 1858, pt. 1, pl. 4 and text [= pl. 6 of volume]. Type, by original designation, *Trogon neoxenus* Gould.

*Leptuas* Cabanis and Heine, Mus. Hein., Heft 4, 1862-1863 (1863), Th. 1, p. 185, 206. Type, by monotypy, *Trogon neoxenus* Gould.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 740-742.

**Euptilotis neoxenus** (Gould)

*Trogon neoxenus* Gould, Monogr. Trogonidae, pt. 3, 1838, pl. [10] and text [= pl. 25 of volume]. (México.)

Mountains of México in states of Chihuahua, Zacatecas, Nayarit and Michoacán.

<sup>1</sup> Not preoccupied by *Euptilotus* Reichenbach, 1850.

GENUS **PRIOTELUS**<sup>1</sup> G. R. GRAY

*Priotelus* G. R. Gray, List Gen. Bds., 1840, p. 10. New name for *Temnurus* Swainson, 1837, not of Lesson, 1831. Type, by monotypy, *T. albicollis* Pl. col. 326 = *Trogon temnurus* Temminck.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 793-795.

**Priotelus temnurus temnurus** (Temminck)

*Trogon temnurus* Temminck, Pl. col., livr. 55, 1825, pl. 326. (Havana, Cuba.)

Island of Cuba.

**Priotelus temnurus vescus** (Bangs and Zappey)

*Prionotelus temnurus vescus* Bangs and Zappey, Am. Nat., **39**, 1905, p. 204. (Almacigos, Isle of Pines.)

Isle of Pines.

GENUS **TEMNOTROGON** BONAPARTE<sup>2</sup>

*Temnotrogon* Bonaparte, Ateneo Italiano, **2**, no. 8, 1854, p. 129. (Separately paged reprint, Consp. Vol. Zygodact., 1854, p. 14.)

Type, by monotypy, *Trogon roseigaster* Vieillot.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 790-792.

**Temnotrogon roseigaster** (Vieillot)

*Trogon roseigaster* Vieillot, Nouv. Dict. Hist. Nat., **8**, 1817, p. 314. (Santo Domingo and México.)

Island of Hispaniola.

GENUS **TROGON** BRISSON

*Trogon* Brisson, Orn., **1**, 1760, p. 42; **4**, p. 164. Type, by subsequent designation, *Trogon viridis* Linné = *Trogon strigilatus* Linné (Stone, Auk, **24**, 1907, p. 192).

cf. Chapman, Bull. Am. Mus. Nat. Hist., **36**, 1917, p. 313-319; **55**, 1926, p. 330-336.

Hellmayr, Field Mus. Nat. Hist. Publ., Zool. Ser., **12**, 1929, p. 422-423 (races of *variegatus*, i.e. *curucui*).

Peters, Bull. Mus. Comp. Zool., **69**, 1929, p. 432-434 (races of *violaceus*).

Pinto, Rev. Mus. Paulista, **22**, 1938, p. 287-292.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 742-790 (Curucujus, Trogon, Trogonurus, Chrysotrogon).

Todd, Proc. Biol. Soc. Wash., **56**, 1943, p. 5-14.

<sup>1</sup> Replaces *Prionotelus* (emendation) of Sharpe's Hand-list.

<sup>2</sup> Replaces *Tmetotrogon* (emendation) Cabanis and Heine of Sharpe's Hand-list.

SUBGENUS **CURUCUJUS** BONAPARTE

*Curucujus* Bonaparte, Ateneo Italiano, 2, no. 8, 1854, p. 129. (Consp. Voluc. Zygodact., p. 14.) Type, by subsequent designation, *Trogon melanurus* Swainson. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 136.)

**Trogon massena massena** Gould

*Trogon massena* Gould, Monogr. Trogonidae, pt. 3, 1838, pl. [4] and text [= pl. 16 of volume]. (México.)

Southern México and Central America from Oaxaca and Vera Cruz to Nicaragua.

**Trogon massena hoffmanni** (Cabanis and Heine)

*Troctes Hoffmanni* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 204, note. (Costa Rica.)

Costa Rica and Panamá, intergrading with the typical race in Nicaragua.<sup>1</sup>

**Trogon massena australis** (Chapman)

*Curucujus massena australis* Chapman, Bull. Am. Mus. Nat. Hist., 34, 1915, p. 384. (Barbacoas, Colombia.)

Tropical zone of the Pacific coast of Colombia, eastward into the lower Cauca region.

**Trogon clathratus** Salvin

*Trogon clathratus* Salvin, Proc. Zool. Soc. London, 1866, p. 75. (Santa Fé de Veragua, Panamá.)

Caribbean slope of Costa Rica and western Panamá.

**Trogon melanurus macroura** Gould

*Trogon macroura* Gould, Monogr. Trogonidae, 1838, pt. 3, pl. [5] and text [= pl. 17 of volume]. (No type locality, Río Atrato, Colombia, designated by Cory, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 2, no. 2, 1919, p. 332, note a.)

Panamá from the Canal Zone eastward; northern Colombia in the Atrato and Magdalena valleys and the lowlands of the Santa Marta region.

**Trogon melanurus mesurus** (Cabanis and Heine)

*Troctes mesurus* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 202. (Babahoyo, Ecuador.)

<sup>1</sup> Prof. Oscar Neumann (*in litt.*) has called my attention to this hitherto unrecognized race which is distinguishable from the nominate form by its average smaller size; wing, ♂ 160-177; ♀ 162-177, against wing ♂ 171-181; ♀ 175-189.

*Curucujus melanurus pacificus* Chapman, Am. Mus. Novit., no. 96, 1923, p. 4. (Alamor, Loja, Ecuador.)

Western Ecuador and northwestern Perú.

***Trogon melanurus melanurus* Swainson**

*Trogon melanurus* Swainson, Anim. in Menag., 1838 (1837), p. 329. (Demerara.)

Tropical South America east of the Andes south to Bolivia, northern Matto Grosso and Maranhão.

SUBGENUS **TROGON** BRISSON

***Trogon strigilatus bairdii* Lawrence**

*Trogon bairdii* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 9, 1868, p. 119. (San Mateo, Costa Rica.)

Tropical zone of southwestern Costa Rica and western Panamá.

***Trogon strigilatus chionurus* Selater and Salvin**

*Trogon chionurus* Selater and Salvin, Proc. Zool. Soc. London, 1870 (1871), p. 843. (Panamá, i.e. Lion Hill, Canal Zone.)

Tropical zone of Panamá from the Canal Zone eastward; Colombia west of the Eastern Andes and Ecuador west of the Andes.

***Trogon strigilatus strigilatus* Linné**

*Trogon strigilatus* Linné, Syst. Nat., ed. 12, 1, 1766, p. 167, no. 1. (Cayenne.)

*Trogon viridis* Linné, Syst. Nat., ed. 12, 1, 1766, p. 167, no. 3. (Cayenne.)

Tropical South America east of the Andes south to Perú, northern Matto Grosso and Maranhão; Island of Trinidad.<sup>1</sup>

***Trogon strigilatus melanopterus* Swainson**

*Trogon melanopterus* Swainson, Anim. in Menag., 1838 (1837), p. 332. (Brazil; restricted to Bahia by Griscom and Greenway, Bull. Mus. Comp. Zool., 88, 1941, p. 181.)

Southeastern Brazil from Bahia to São Paulo.

***Trogon citreolus citreolus* Gould**

*Trogon citreolus* Gould, Proc. Zool. Soc. London, pt. 3, 1835, p. 30. (No type locality = México.)

Pacific slope of México in states of Sinaloa, Nayarit, Colima, Michoacán, Guerrero and western Oaxaca.

<sup>1</sup> Brodtkorb, Occ. Papers Mus. Zool. Univ. Mich., no. 349, 1937, p. 2-3, proposes to restore *Trogon albiventer* Cuvier, applying it to the population of *T. strigilatus* inhabiting Ilha Caviana at the mouth of the Amazon.

**Trogon citreolus sumichrasti** Brodtkorb

*Trogon citreolus sumichrasti* Brodtkorb, Proc. Biol. Soc. Wash., **55**, 1942, p. 183. (Arriaga, 56 metres, Chiapas.)

Pacific coastal plain of México from central Oaxaca to central Chiapas.

**Trogon citreolus melanocephala** Gould

*Trogon melanocephala* Gould, Monogr. Trogonidae, pt. 2, 1835, pl. [6] and text [= pl. 12 of volume]. (State of Tamaulipas, México.)

Eastern México in southern Tamaulipas, Vera Cruz, eastern Oaxaca, eastern Chiapas, Tabasco, Campeche and the Yucatán Peninsula; Guatemala, British Honduras, Honduras, El Salvador, Nicaragua and northeastern Costa Rica.

**Trogon citreolus illaetabilis** Bangs

*Trogon melanocephalus illaetabilis* Bangs, Proc. Biol. Soc. Wash., **22**, 1901, p. 30. (Bolson, Costa Rica.)

Western Costa Rica.

SUBGENUS **TROGONURUS** BONAPARTE

*Trogonurus* Bonaparte, Ateneo Italiano, no. 8, 1854, p. 129. [Consp. Voluc. Zygodact., p. 14.] Type, by subsequent designation, *Trogon collaris* Vieillot. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 136.)

*Microtrogon* Goeldi, Bol. Mus. Goeldi, **5**, 1908, p. 92, 95. Type, by original designation, *Trogon ramonianus* Deville and Des Murs. Not *Microtrogon* Bertoni, 1901.

*Chrysotrogon* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 733 (in key), p. 784. Type, by original designation, *Trogon caligatus* Gould.

**Trogon mexicanus clarus** Griscom

*Trogon mexicanus clarus* Griscom, Proc. New England Zoöl. Cl., **13**, 1932, p. 57. (Pinos Altos, Chihuahua.)

Northwestern México in mountains of western Chihuahua.

**Trogon mexicanus mexicanus** Swainson

*Trogon Mexicanus* Swainson, Philos. Mag. (n.s.), **1**, 1827, p. 440. (Temascáltepec, México.)

México in states of Zacatecas, San Luis Potosí, Tamaulipas, Hidalgo, Vera Cruz, Puebla, México, Nayarit, Jalisco, Colima, Michoacán, Guerrero, Oaxaca and Chiapas; mountains of western Guatemala.

**Trogon mexicanus lutescens** Griscom

*Trogon mexicanus lutescens* Griscom, Proc. New England Zool. Cl., **13**, 1932, p. 56. (Cerro Cantoral, 6500 feet, Dist. of Achagua, Honduras.)

Highlands of Honduras.

**Trogon elegans canescens** van Rossem

*Trogon elegans canescens* van Rossem, Bull. Mus. Comp. Zool., **77**, 1934, p. 441. (San Javier, Sonora.)

Southern Arizona, Sonora, western Chihuahua and northern Sinaloa.

**Trogon elegans ambiguus** Gould

*Trogon ambiguus* Gould, Proc. Zool. Soc. London, pt. 3, 1835, p. 30. (Northern México.)<sup>1</sup>

Extreme southern Texas; México in states of Nuevo León, Tamaulipas, Durango, San Luis Potosí, Hidalgo, Vera Cruz, Puebla, Zacatecas, Nayarit, Jalisco, Michoacán and Guerrero.

**Trogon elegans elegans** Gould

*Trogon elegans* Gould, Proc. Zool. Soc. London, pt. 2, 1834, p. 26. ("Guatemala in México" = Guatemala.)

Confined to the Motagua valley in Guatemala; the birds from El Salvador and Honduras vary in degrees of intermediacy between this form and the next.

**Trogon elegans lubricus** nomen nov.

*Trogon elegans australis* Griscom, Proc. New England Zool. Cl., **12**, 1930, p. 3. (Bagaces, Costa Rica.) Not *Curucujus massena australis* Chapman, 1915.

Nicaragua and northwestern Costa Rica.

**Trogon elegans goldmani** Nelson

*Trogon ambiguus goldmani* Nelson, Proc. Biol. Soc. Wash., **12**, 1898, p. 8. (Maria Madre Island.)

Islands of Maria Madre and Maria Magdalena, Tres Marias Islands off the west coast of México.

**Trogon collaris puella** Gould

*Trogon puella* Gould, Proc. Zool. Soc. London, pt. 13, 1845, p. 18. (Escuintla, South America.)<sup>2</sup>

Lower subtropical and upper tropical zones of México and Central America from San Luis Potosí, México and Vera Cruz southward (including the Yucatán Peninsula) to Veraguas, Panamá.

<sup>1</sup> van Rossem, *antea*, believes that the type possibly came from northeastern México, but more probably that it was collected by Floresi at Bolaños, Jalisco.

<sup>2</sup> Almost certainly Escuintla, Guatemala; there is however a place of that name in Chiapas.

**Trogon collaris extimus** Griscom

*Trogon collaris extimus* Griscom, Bull. Mus. Comp. Zool., **69**, 1929, p. 162. (Cana, Darien.)

Subtropical zone of eastern Darien.

**Trogon collaris virginalis** Cabanis and Heine

*Trogon virginalis* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 173. (Pallatanga, Ecuador.)

Tropical and subtropical zone of western Colombia, western Ecuador and northwestern Perú.

**Trogon collaris exoptatus** Cabanis and Heine

*Trogon exoptatus* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 179. (Puerto Cabello, Venezuela.)

Northern Venezuela.

**Trogon collaris collaris** Vieillot

*Trogon collaris* Vieillot, Nouv. Dict. Hist. Nat., **8**, 1817, p. 320. (Cayenne.)

Locally distributed in the tropical zone of South America east of the Andes (except northern Venezuela), south to Bolivia, Matto Grosso and Rio de Janeiro; islands of Trinidad and Tobago. Not recorded from British Guiana and Surinam and apparently absent from the campo regions.

**Trogon aurantiiventris underwoodi** Bangs

*Trogon underwoodi* Bangs, Proc. New England Zool. Cl., **4**, 1908, p. 24. (Volcán de Miravalles, Costa Rica.)

Highlands of northwestern Costa Rica.

**Trogon aurantiiventris aurantiiventris** Gould

*Trogon aurantiiventris* Gould, Proc. Zool. Soc. London, pt. 24, 1856, p. 107. (Near David, Panamá.)

Highlands of central and southern Costa Rica and western Panamá.

**Trogon aurantiiventris flavidior** (Griscom)

*Trogonurus aurantiiventris flavidior* Griscom, Am. Mus. Novit., no. 141, 1925, p. 1. (Cerro Flores, 4000 feet, eastern Chiriquí.)

Confined to Cerro Flores in extreme eastern Chiriquí.

**Trogon personatus personatus** Gould

*Trogon personata* [sic] Gould, Ann. and Mag. Nat. Hist., **9**, 1842, p. 237. ("The Cordillerian Andes" = Bogotá by designation of Chapman, *antea*, 1926, p. 331.)

Subtropical zone of the mountains of western Venezuela, Santa Marta Mountains, Central and Eastern Andes of Colombia, eastern Ecuador and eastern Perú.

**Trogon personatus assimilis** Gould

*Trogon assimilis* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 67. (Perú.)

Subtropical zone of western Ecuador; birds from western Colombia may be referable here.

**Trogon personatus temperatus** (Chapman)

*Trogonurus temperatus* Chapman, Am. Mus. Novit., no. 96, 1923, p. 2. (Laguneta, 10300 feet, Central Andes, Colombia.)

Humid temperate zone of the Andes of Colombia (all three ranges) and Ecuador; and probably also Perú.

**Trogon personatus submontanus** Todd

*Trogon temperatus submontanus* Todd, Proc. Biol. Soc. Wash., 56, 1943, p. 8. (Samaipata, Bolivia.)

Foothills and middle elevations of the Andes of Bolivia.

**Trogon personatus duidae** Chapman

*Trogon personatus duidæ* Chapman, Am. Mus. Novit., no. 380, 1929, p. 16. (Mt. Duida, 2250 feet, Venezuela.)

Mt. Duida, Venezuela.

**Trogon personatus roraimae** (Chapman)

*Trogonurus personatus roraimæ* Chapman, Am. Mus. Novit., no. 341, 1929, p. 3. (Rondon Camp, 6800 feet, Mt. Roraima.)

Mt. Auyan-tepui, Venezuela and Mt. Roraima on the Venezuela-British Guiana border.

**Trogon rufus tenellus** Cabanis

*Trogon tenellus* Cabanis, Journ. f. Orn., 10, 1862, p. 173. (Costa Rica.)

*Trogon chrysomelas* Richmond, Proc. U. S. Nat. Mus., 16, 1893, p. 513. (Escondido River, Nicaragua.)

Southeastern Honduras, Nicaragua, Costa Rica, Panamá and extreme northwestern Colombia (Soatátá).

**Trogon rufus cupreicauda** (Chapman)

*Trogonurus curucui cupreicauda* Chapman, Bull. Am. Mus. Nat. Hist., 33, 1914, p. 606. (Bagado, 1000 feet, Chocó, Colombia.)

Tropical zone of western Colombia and western Ecuador.

**Trogon rufus rufus** Gmelin

*Trogon rufus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 404. (Cayenne.)

*Trogon atricollis* Vieillot, Nouv. Diet. Hist. Nat., 8, 1817, p. 318. (Guiana, Surinam and Trinidad.)

Eastern Venezuela, the Guianas and the Rio Negro region of Brazil.



**Trogon rufus sulphureus** Spix

*Trogon sulphureus* Spix, Av. Bras., 1, 1824, p. 48, pl. 38, f. 1. (Tabatinga, Rio Solimoes, Brazil.)

*Aganus Devillei* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 191. (Santa María, Perú.)

Amazonian Perú and western Brazil (Rio Purús, Rio Solimoes, Rio Juruá).

**Trogon rufus amazonicus** Todd

*Trogon rufus amazonicus* Todd, Proc. Biol. Soc. Wash., 56, 1943, p. 11. (Villa Braga, Rio Tapajóz, Brazil.)

Lower Amazon valley in Brazil.

**Trogon rufus chrysochloros** Pelzeln

*Trogon chrysochloros* "Natterer," Pelzeln, Sitzungsab. K. Akad. Wiss. Wien, 20, 1856, p. 496, 505. (Ypanema, São Paulo.)

Southern Brazil in states of Bahia, Rio de Janeiro, São Paulo and Matto Grosso; Paraguay; northeastern Argentina in Territory of Misiones.

**Trogon surrucura aurantius** Spix

*Trogon aurantius* Spix, Av. Bras., 1, 1824, p. 47, pl. 36. ("In sylvis Rio de Janeiro.")

Eastern Brazil in southern Bahia, eastern Minas-Geras, Rio de Janeiro and northern São Paulo.

**Trogon surrucura surrucura** Vieillot

*Trogon surrucura* Vieillot, Nouv. Dict. Hist. Nat., 8, 1817, p. 321. (Paraguay.)

Brazil in states of Goyaz, São Paulo, Paraná, Santa Catharina and Rio Grande do Sul; Paraguay; Uruguay; northern Argentina in territories of Chaco, Formosa and Misiones and State of Corrientes.

**Trogon curucui bolivianus** Ogilvie-Grant

*Trogon bolivianus* Ogilvie-Grant, Cat. Bds. Brit. Mus., 17, 1890, p. 443 (in key), p. 470, pl. 15. (Cosnipata, Perú.)

From the base of the Eastern Andes of Colombia, south to the Beni River, Bolivia and east to the Rio Tapajóz in Brazil.

**Trogon curucui curucui** Linné

*Trogon Curucui* Linné, Syst. Nat., ed. 12, 1, 1766, p. 167, no. 2. (México, Brazil, Perú = Brazil, ex Marcgrave.)<sup>1</sup>

<sup>1</sup> For the latest word on the identity of *Trogon curucui* Linné, see Schneider, Journ. f. Orn., 88, 1938, p. 91-92.

*Trogon variegatus* Spix, Av. Bras., 1, 1824, p. 49, pl. 38 a. (Brazil.)

Eastern Brazil in states of Pará, Maranhão, Piauí, Ceará, Bahia, Rio de Janeiro and Goyaz.

***Trogon curucui behni* Gould**

*Trogon behni* Gould, Monogr. Trogonidae, ed. 2, pt. 4, 1875, pl. 6<sup>1</sup> and text [= pl. 20 of volume]. (Bolivia.)

Eastern Bolivia, Matto Grosso, Paraguay and northern Argentina in states and territories of Salta, Jujuy, Chaco and Formosa.

***Trogon violaceus braccatus* (Cabanis and Heine)**

?*Trogon sallæi* Bonaparte, Compt. Rend. Acad. Sci. Paris, 42, 1856, p. 955. (Vera Cruz.)<sup>2</sup>

*Aganus braccatus* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 184. (México.)

México and Central America from Oaxaca, Puebla and Tamaulipas, south to El Salvador and Honduras; birds from Nicaragua may be of this race.

***Trogon violaceus concinnus* Lawrence**

*Trogon concinnus* Lawrence, Ann. Lyc. Nat. Hist. N. Y., 7, 1862, p. 463. ("New Grenada" i.e. Lion Hill, Panamá.)

Costa Rica, Panamá (except Caribbean slope of Darien), western Colombia and western Ecuador.

***Trogon violaceus caligatus* Gould**

*Trogon caligatus* Gould, Monogr. Trogonidae, pt. 3, 1838, pl. [1] and text [= pl. 7 of volume]. (No type locality, but plate agrees with specimens from the Magdalena Valley, Colombia.)

*Chrysotrogon violaceus columbianus* Chapman, Bull. Am. Mus. Nat. Hist., 33, 1914, p. 607. (Opón, Magdalena Valley, Colombia.)

Tropical zone of the Caribbean slope of Darien, the Cauca and Magdalena Valleys and the Santa Marta region of Colombia and the Maracaibo Basin of Venezuela.

***Trogon violaceus violaceus* Gmelin**

*Trogon violaceus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 404. (No locality = Surinam.)

*Trogon rossi* Lowe, Ibis, 1939, p. 73. (Locality unknown.)

Venezuela, the Guianas and adjacent parts of northern Brazil; Island of Trinidad.

<sup>1</sup> The plate is lettered *Trogon behni*.

<sup>2</sup> van Rossem (Bull. Mus. Comp. Zoöl., 77, 1934, p. 392) has identified this name as applicable to the bird later described as *braccatus*; the ♂ cotype, the chief basis of Bonaparte's description, was not to be found in the Paris Museum by van Rossem, and I agree with Carriker and de Schauensee (Proc. Acad.

**Trogon violaceus ramonianus** Deville and Des Murs

*Trogon ramoniana* Deville and Des Murs, Rev. et Mag. Zool. (2), 1, 1849, p. 331. (Sarayacú and Pampa del Sacramento, Ecuador.)  
Amazonian region of Colombia, Ecuador, Perú and Brazil.

**Trogon violaceus crissalis** (Cabanis and Heine)

*Aganus crissalis* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 190. (Bahia, error = lower Amazon.)

*Chrysotrogon ramonianus goeldii* Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 5, 1911, p. 786, note b. (Pará, Brazil.)

South bank of the lower Amazon and its tributaries; the differences between this race and *ramonianus* require confirmation.

GENUS **APALODERMA**<sup>1</sup> SWAINSON

*Apaloderma* Swainson, Zool. Illustr. (2), 3, 1832-33 (1833), p. 107.

Type, by original designation, *Trogon narina*, i.e. *Trogon narina* Stephens.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 356-358.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 479-485.

**Apaloderma narina constantia** Sharpe and Ussher

*Hapaloderma constantia* Sharpe and Ussher, Ibis, 1872, p. 181.  
(Denkera, Gold Coast Colony.)

Forests of Liberia and Gold Coast Colony, perhaps extending to Nigeria.

**Apaloderma narina brachyurum** Chapin

*Apaloderma narina brachyurum* Chapin, Am. Mus. Novit., no. 56, 1923, p. 4. (Avakubi, Ituri district, Belgian Congo.)

Southern Cameroon eastward through the Congo Basin to the Uelle district, and Uganda to Chagwe, south to the Kasai and the forested Manyema.

**Apaloderma narina narina** (Stephens)

*Trogon Narina* Stephens, in Shaw's Gen. Zool., 9, pt. 1, 1815, p. 14.  
("Country of the Antenuquo to the river Gamtoo," i.e. Knysna district, Cape Province, ex Levallant.)

*Hapaloderma rufiventre* DuBois, Proc. Zool. Soc. London, 1896, p. 999. (Region of Lake Tanganyika.)

Heavy woods and gallery forests of eastern and southern Africa from Darfur and Eritrea through the interior of Kenya Colony,

Nat. Sci. Phila., 87, 1935, p. 424) that the evidence is not sufficient for displacing the certain *braccatus* with the uncertain *sallaei*.

<sup>1</sup> Replaces *Hapaloderma* [emendation] of Sharpe's Hand-list.

Tanganyika Territory, the Kivu district and southern Belgian Congo, to Angola and Cape Province.

**Apaloderma narina littoralis** van Someren

*Apaloderma narina littoralis* van Someren, Bull. Brit. Orn. Cl., **51**, 1931, p. 80. (Sokoke Forest, Kenya Colony.)

Coastal forests of Kenya Colony and Tanganyika Territory from the Juba River to the Uluguru Mountains; islands of Zanzibar and Mafia.

**Apaloderma aequatoriale** Sharpe

*Hapaloderma aequatoriale* Sharpe, Bull. Brit. Orn. Cl., **12**, 1901, p. 3. (Efulen, Cameroon.)

*Apaloderma minus* Chapin, Bull. Am. Mus. Nat. Hist., **34**, 1915, p. 510. (Avakubi, Ituri district, Belgian Congo.)

Rain forest region from Cameroon and Spanish Guinea eastward to the southern Uelle district (vicinity of Beni), and south to the Kasai.

GENUS **HETEROTROGON** RICHMOND

*Heterotrogon* Richmond, Proc. U. S. Nat. Mus., **17**, 1895, p. 601, 602. Type, by original designation and monotypy, *Hapaloderma vittatum* Shelley.

cf. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 359-360.

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 486-488.

**Heterotrogon vittatus camerunensis** Reichenow

*Heterotrogon vittatum camerunense* Reichenow, Vög. Afr., **2**, 1902, p. 216. (Cameroon.)

*Heterotrogon francisci* B. Alexander, Bull. Brit. Orn. Cl., **13**, 1903, p. 33. (Mt. St. Ysabel, Fernando Po.)

Forested mountains of Africa: Cameroon Mt., Mt. Moco in Angola; mountains of the eastern Belgian Congo; Island of Fernando Po.

**Heterotrogon vittatus vittatus** (Shelley)

*Hapaloderma vittatum* Shelley, Proc. Zool. Soc. London, 1882, p. 306. (Mamboio, Tanganyika Territory.)

*Heterotrogon vittatum keniensis* Bowen, Proc. Acad. Nat. Sci. Phila., **82**, 1930, p. 265. (Forest above Meru, Kenya Colony.)

Forested mountains of East Africa from Mt. Elgon and Mt. Kenya southward to the highlands north of Lake Nyasa and the Uluguru and Usambara Mts. in Tanganyika Territory.

GENUS **HARPACTES** SWAINSON<sup>1</sup>

*Harpactes* Swainson, Zool. Illustr. (2), **3**, 1832-33 (1833), p. 107 (in key). Diagnosis only, no type or included species. Species added, Swainson, Classif. Bds., **2**, 1837, p. 337. Type, by subsequent designation, *Trogon malabaricus* Gould.<sup>2</sup> (Gray, List. Gen. Bds., 1840, p. 10.)

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 315-321.  
Chasen, Bull. Raffles Mus., no. 11, 1935, p. 119-121.

Delacour and Jabouille, Ois. Indochine Franç., **2**, 1931, p. 260-265.

**Harpactes reinwardtii mackloti** (S. Müller)

*Trogon Mackloti* S. Müller; Tijdschr. Natuurl. Gesch. Phys., **2**, 1835, p. 336, pl. 8, f. 1. (Mt. Singgalang, Sumatra.)

Sumatra.

**Harpactes reinwardtii reinwardtii** (Temminck)

*Trogon reinwardtii* Temminck, Pl. col., livr. 21, 1822, pl. 124. (Java.)

Java.

**Harpactes fasciatus malabaricus** (Gould)

*Trogon Malabaricus* Gould, Proc. Zool. Soc. London, pt. 2, 1834, p. 26. (Malabar Coast.)

*Harpactes fasciatus legerli* Koelz, Proc. Biol. Soc. Wash., **52**, 1939, p. 79. (Foot of Mahendra Giri, Orissa.)

Western India from Kandesh to Travancore, east to the Wynaad, the Nilgiri and Nelliampathie Hills: also recorded from western Bengal south to the mouth of the Godavery River.

**Harpactes fasciatus fasciatus** (Pennant)

*Trogon fasciatus* Pennant, Indian Zool., 1769, p. 4, pl. 5. (Ceylon.)  
Ceylon.

**Harpactes kasumba kasumba** (Raffles)

*Trogon Kasumba* Raffles, Trans. Linn. Soc. London, **13**, pt. 2, 1822, p. 282. (Sumatra.)

Malay Peninsula and Sumatra.

<sup>1</sup> Includes *Pyrotrogon* Bonaparte, 1854 and *Hapalarpactes* (*recte* *Apalharpactes*) Bonaparte, 1854, of Sharpe's Hand-list.

<sup>2</sup> This name is not antedated by *Harpactes* Templeton, Zool. Journ., **5**, 1829-1834, p. 401, since the part of the Zool. Journ. containing that name was not published until Nov. or Dec. 1835. See Cat. Libr. Brit. Mus. (Nat. Hist.), **5**, 1915, p. 2396.

**Harpactes kasumba impavidus** (Chasen and Kloss)

*Pyrotrogon fasciatus impavidus* Chasen and Kloss, Bull. Raffles Mus., no. 5, 1931, p. 84. (Bettotan, near Sandakan, British North Borneo.)

*Pyrotrogon kasumba usa* Harrisson and Hartley, Bull. Brit. Orn. Cl., 54, 1934, p. 150. (Male, 2000 feet, Mt. Kalulong, Sarawak.) Borneo.

**Harpactes diardii sumatranus** Blasius

*Harpactes diardi sumatranus* Blasius, Mitt. Geogr. Ges. Lübeck (2), 1896, Heft 10-11, p. 95, in text. (Malay Peninsula and Sumatra.)

*Pyrotrogon neglectus* Forbes and Robinson, Bull. Liverpool Mus., 2, 1899, p. 34. (Malacca and Pahang, Malay Peninsula.) Malay Peninsula and Sumatra.

**Harpactes diardii diardii** (Temminck)

*Trogon diardii* Temminck, Pl. col., livr. 91, 1832, pl. 541. (Pontianak district, Borneo and Province of Padang, Sumatra. Plate agrees with Bornean specimens.) Borneo and Banka.

**Harpactes ardens** (Temminck)

*Trogon ardens* Temminck, Pl. col., livr. 68, 1826, pl. 404. (Mindanao.) Philippine Islands.

**Harpactes whiteheadi** Sharpe

*Harpactes whiteheadi* Sharpe, Ibis, 1888, p. 395, pl. 12. (Kina Balu, Borneo.) Confined to Kina Balu, British North Borneo.

**Harpactes orrhophaeus orrhophaeus** (Cabanis and Heine)

*Pyrotrogon orrhophaeus* Cabanis and Heine, Mus. Hein., Th. 4, 1862-63 (1863), Heft 1, p. 156. (Malacca.) Malay States and Sumatra.

**Harpactes orrhophaeus vidua** Ogilvie-Grant

*Harpactes vidua* Ogilvie-Grant, Cat. Bds. Brit. Mus., 17, 1892, p. 501. (Mt. Dulit, Borneo.) Mountains of northwestern Borneo.

**Harpactes duvaucelii** (Temminck)

*Trogon duvaucelii* Temminck, Pl. col., livr. 49, 1824, pl. 291. (Sumatra.)

Southern Tenasserim, Peninsular Siam, Malay Peninsula, Sumatra, Rhio Archipelago, Banka, Billiton, Borneo, North Natuna Islands.

**Harpactes oreskios stellae** Deignan

*Harpactes oreskios stellae* Deignan, Auk, **58**, 1941, p. 397. (Chiengdao, Siam.)

Southern Shan State of Keng Tung, Siam north of the Isthmus of Kra, Laos, Annam, Cambodia and Cochinchina.

**Harpactes oreskios uniformis** (Robinson)

*Pyrotrogon oreskios uniformis* Robinson, Journ. Fed. Malay States Mus., **7**, 1917, p. 149. (♂ cotype, Lamra, Trang, Siamese Malaya; ♀ cotype, Kedah Peak, 2800–3500 feet, Kedah.)

Southern Tenasserim, and the Malay Peninsula south of the Isthmus of Kra; Sumatra.

**Harpactes oreskios oreskios** (Temminck)

*Harpactes oreskios* Temminck, Pl. col., livr. 31, 1823, pl. 181. (Java.) Java.

**Harpactes oreskios dulitensis** Ogilvie-Grant

*Harpactes dulitensis* Ogilvie-Grant, Cat. Bds. Brit. Mus., **17**, 1892, p. 502. (Mt. Dulit, 5000 feet, British North Borneo.)

Mountains of northwestern Borneo.

**Harpactes oreskios nias** de Schauensee and Ripley

*Harpactes oreskios nias* de Schauensee and Ripley, Proc. Acad. Nat. Sci. Phila., **91**, 1939, p. 404. (Hilisimetano, Nias.)

Nias.

**Harpactes erythrocephalus erythrocephalus** (Gould)

*Trogon erythrocephalus* Gould, Proc. Zool. Soc. London, pt. 2, 1834, p. 25. (Rangoon.)

Himalayas from Nepal to eastern Assam, Manipur, southern Burma, Tenasserim and northwestern Siam.

**Harpactes erythrocephalus helenae** Mayr

*Harpactes erythrocephalus helenae* Mayr, Ibis, 1941, p. 495. (Nyetmahka, 8500 feet, Myitkyina district, upper Burma.)

Western Yunnan, upper Burma and northern Shan States.

**Harpactes erythrocephalus yamakanensis** Rickett

*Harpactes yamakanensis* Rickett, Bull. Brit. Orn. Cl., **8**, 1899, p. xlviii. (Yamakan, Fohkien.)

Fohkien and northern Kwangtung.

**Harpactes erythrocephalus rosa** (Stresemann)

*Pyrotrogon erythrocephalus rosa* Stresemann, Journ. f. Orn., **77**, 1929, p. 336. (Yao Shan, 2000 feet, Kwangsi.)

Mountains of northern Kwangsi.

**Harpactes erythrocephalus intermedius** (Kinnear)

*Pyrotrogon erythrocephalus intermedius* Kinnear, Bull. Brit. Orn. Cl., **45**, 1925, p. 105. (Bao Ha, Tonkin.)

Tonkin, northern Annam and northern Laos.

**Harpactes erythrocephalus annamensis** (Robinson and Kloss)

*Pyrotrogon erythrocephalus annamensis* Robinson and Kloss, Ibis, 1919, p. 424. (Dran, 3000 feet, southern Annam.)

Northeastern Siam, southern Laos, southern Annam, and CochinChina.

**Harpactes erythrocephalus klossi** (Robinson)

*Pyrotrogon erythrocephalus klossi* Robinson, Ibis, 1915, p. 735. (Koh Chang Island, Siam.)

Known only from the Banthat Range in western Cambodia and extreme southwestern Siam; hills on the Island of Koh Chang.

**Harpactes erythrocephalus chaseni** Riley

*Harpactes erythrocephalus chaseni* Riley, Proc. Biol. Soc. Wash., **47**, 1934, p. 115. (Semangko Pass, 2700-4000 feet, Salangor-Pahang boundary, Malay States.)

Malay States.

**Harpactes erythrocephalus hainanus** Ogilvie-Grant

*Harpactes hainanus* Ogilvie-Grant, Bull. Brit. Orn. Cl., **10**, 1900, p. xxvii. (Five-finger Mts., Hainan.)

Island of Hainan.

**Harpactes erythrocephalus flagrans** (S. Müller)

*Trogon flagrans* S. Müller, Tijdschr. Natuurl. Gesch. Phys., **2**, 1835, p. 338, pl. 8, f. 2. (Mt. Singgalang, Sumatra.)

Sumatra.

**Harpactes wardi** (Kinnear)

*Pyrotrogon wardi* Kinnear, Bull. Brit. Orn. Cl., **47**, 1927, p. 112. (Seinghku valley, 8000 feet, Burma.)

Confined to the mountains of northern Burma (Seinghku) and northeastern Tonkin (Massif de Fansipan) between altitudes of 2500 and 3000 metres.



## ORDER CORACIIFORMES

## SUBORDER ALCEDINES

## SUPERFAMILY ALCEDINOIDEA

FAMILY ALCEDINIDAE<sup>1</sup>

## SUBFAMILY CERYLINAЕ

## GENUS CERYLE BOIE

*Ceryle* Boie, Isis von Oken, **21**, 1828, col. 316. Type, by subsequent designation, *C. rudis* (Gm.) = *Alcedo rudis* Linné. (G. R. Gray, List Gen. Bds., 1840, p. 11).

- cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 246-249.  
Bannerman, Bds. Trop. West Afr., **3**, 1933, p. 242-248.  
Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 294-297.  
Hand-list Jap. Bds., 3rd and rev. ed., 1942, p. 84.  
Hartert, Vög. pal. Fauna, **2**, 1912, p. 876-879.  
Laubmann, Journ. f. Orn., Ergänzungsb. II, 1929, p. 83-92.  
Laubmann, Verh. Orn. Ges. Bayern, **18**, 1929, p. 218-231.  
W. DeW. Miller, Bull. Am. Mus. Nat. Hist., **31**, 1912, p. 287-304.  
Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 407-421.  
(*sub nom.* Streptoceryle).

## SUBGENUS MEGACERYLE KAUP

*Megaceryle* Kaup (subgenus), Verh. naturhist. Ver. Grossherz. Hessen, **2**, 1848, p. 68. Type, by subsequent designation, *Alcedo guttata* Vigors = *Ceryle guttulata* Stejneger (Sharpe, Monogr. Alced., 1871, p. viii.)

*Macroceryle* Laubmann (subgenus), Verh. Orn. Ges. Bayern, **16**, 1924, p. 136. Type, by original designation, *Alcedo lugubris* Temminck.

***Ceryle lugubris guttulata* Stejneger**

*Ceryle guttulata* Stejneger, Proc. U. S. Nat. Mus., **15**, 1892, p. 294, in text. (India and China.) New name for *Alcedo guttata* Vigors, 1831, not *Alcedo guttata* Boddaert, 1783.

*Ceryle lugubris continentalis* Hartert, Nov. Zool., **7**, 1900, p. 534. (Sikkim.)

The Himalayas from Kashmir to Assam eastward through China, north to the Tsin-ling Mts. and southern Chihli, south to Tenasserim, Siam and northern Indochina.

<sup>1</sup> For a complete list of generic names applied to Kingfishers see Laubmann, Verh. Orn. Ges. Bayern, **16**, 1924, p. 129-138.

***Ceryle lugubris pallida* Momiyama**

*Ceryle lugubris pallida* Momiyama, Annot. Orn. Orient., 1, 1927, p. 70. (Ishikari, Hokkaido) in Japanese.

Island of Hokkaido.

***Ceryle lugubris lugubris* (Temminck)**

*Alcedo lugubris* Temminck, Pl. col., livr. 92, 1834, pl. 548. (Japan, = Nagasaki, according to Seebohm.)

*Ceryle lugubris sikokiana* Momiyama, Annot. Orn. Orient., 1, 1927, p. 67. (Tosa, Shikoku) in Japanese.

*Ceryle lugubris jamasemi* Momiyama, Annot. Orn. Orient., 1, 1927, p. 69. (Echigo, northern Hondo) in Japanese.

Breeds on Hondo and Shikoku; occurs on Kiusiu and in Korea.

***Ceryle maxima maxima* (Pallas)**

*Alcedo maxima* Pallas, Spic. Zool., fasc. 6, 1769, p. 14. (Cape of Good Hope.)

Grasslands of Africa from Senegal to Nigeria and from the Egyptian Sudan to Ethiopia and south to Angola and Cape Province.

***Ceryle maxima gigantea* (Swainson)**

*Ispida gigantea* Swainson, Bds. West Afr., 2, 1837, p. 93, pl. 11. ("Senegal," but type probably from farther southeast.)

*Ceryle Sharpii* Gould, Ann. and Mag. Nat. Hist. (4), 4, 1869, p. 271. (Gaboön.)

Rain forests of Africa from Liberia and the Benue River in Northern Nigeria east to Lake Albert, Lake Edward and Baraka on Lake Tanganyika, south probably to northern Angola and the Kasai.

***Ceryle torquata torquata* (Linné)**

*Alcedo torquata* Linné, Syst. Nat., ed. 12, 1, 1766, p. 180. (Martinique and México.)

México from Sinaloa, Nuevo León and Tamaulipas south over Central America and most of South America to Perú, northern Argentina and Uruguay; Island of Trinidad.

***Ceryle torquata stictipennis* Lawrence**

*Ceryle stictipennis* Lawrence, Proc. U. S. Nat. Mus., 8, 1885, p. 623. (Guadeloupe, West Indies.)

Lesser Antilles: Guadeloupe and Dominica; doubtfully recorded from St. Kitts and Martinique.

***Ceryle torquata stellata* (Meyen)**

*Alcedo stellata* Meyen, Nova Acta Acad. Caes. Leop. Carol., 16, suppl., 1834, p. 93, pl. 14. (Río Clado, San Fernando, Chile.)

Southern South America from Concepcion, Chile on the west, and Terr. of Chubut, Argentina, on the east, to Tierra del Fuego.

**Ceryle alcyon caurina** Grinnell

*Ceryle alcyon caurina* Grinnell, Univ. Cal. Publ. Zool., 5, 1910, p. 388, fig. 4. (Graveyard Point, Montague Island, Alaska.)

Breeds west of the Rocky Mountains from northern Alaska and southwestern Yukon Territory south to southern California. Winters from northern California to Baja California, Sinaloa, Chihuahua and Durango.

**Ceryle alcyon alcyon** (Linné)

*Alcedo Alcyon* Linné, Syst. Nat., ed. 10, 1, 1758, p. 115. (South Carolina.)

Breeds from Mackenzie, northern Manitoba, central Quebec, southern Labrador and Newfoundland, south to the southern border of the United States and west to the base of the Rocky Mountains. Winters from the central part of its breeding range to Bermuda, the Bahamas, West Indies, Central America, northwestern South America and Trinidad.

SUBGENUS **CERYLE** BOIE

**Ceryle rudis rudis** (Linné)

*Alcedo rudis* Linné, Syst. Nat., ed. 10, 1, 1758, p. 116. (Egypt.)

Asia Minor, Syria and Palestine, east to the Persian Gulf; Egypt; all of Africa south of the Sahara.

**Ceryle rudis leucomelanura** Reichenbach

*Ceryle leucomelanura* Reichenbach, Handb. Spec. Orn., 1851, p. 21, pl. CCCIX b, f. 3488. (Ceylon.)

*Ceryle rudis afghanistanica* Koelz, Proc. Biol. Soc. Wash., 52, 1939, p. 79. (Laghman, Afghanistan.)

Southeastern Asia from Kashmir and Baluchistan eastward to Tonkin and south over the Indian peninsula (except area occupied by *travancorensis*), Burma to Tenasserim and all Indochina; Ceylon.

**Ceryle rudis travancorensis** Whistler

*Ceryle rudis travancorensis* Whistler, Journ. Bombay Nat. Hist. Soc., 37, 1935, p. 760. (Travancore.)

Travancore and Calicut.

**Ceryle rudis insignis** Hartert

*Ceryle rudis insignis* Hartert, Nov. Zool., 17, 1910, p. 216. (Hoihon, Hainan.)

Southeastern China, north to the Yangtse Valley; Island of Hainan.

GENUS **CHLOROCERYLE** KAUP

*Chloroceryle* Kaup (subgenus), Verh. naturhist. Ver. Grossherz. Hessen, Heft 2, 1848, p. 68. Type, by subsequent designation, *Alcedo superciliosa* Linné = *Alcedo aenea* Pallas. (Sharpe, Monogr. Alced., 1871, p. viii.)<sup>1</sup>

cf. Laubmann, Verh. Orn. Ges. Bayern, **18**, 1929, p. 193-218.  
W. deWitt Miller, Bull. Am. Mus. Nat. Hist., **31**, 1912, p. 304-311.  
Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 421-440.

**Chloroceryle amazona mexicana** Brodkorb

*Chloroceryle amazona mexicana* Brodkorb, Auk, **57**, 1940, p. 543.  
(Barra de Cahuacán, Chiapas.)

Southern México from Colima, Puebla and Vera Cruz southward over Central America to Darién.

**Chloroceryle amazona amazona** (Latham)

*Alcedo amazona* Latham, Index Orn., **1**, 1790, p. 257. (Cayenne.)

Greater part of South America (apparently absent from the Pacific slope from Ecuador southward) to northern Argentina (provinces of La Rioja, Córdoba and Buenos Aires) and Uruguay.

**Chloroceryle americana hachisukai** Laubmann

*Chloroceryle americana leucosticta* van Rossem and Hachisuka, Condor, **40**, 1938, p. 227. (Rancho La Arizona, near Saric, Sonora.) Not *Chloroceryle leucosticta* Reichenbach, 1851.

*Chloroceryle americana hachisukai* Laubmann, Verh. Orn. Ges. Bayern, **22**, 1942, p. 165. New name for *C. a. leucosticta* van Rossem and Hachisuka, preoccupied.

Western Texas and northwestern México south to Nayarit, Chihuahua and northern Coahuila.

**Chloroceryle americana septentrionalis** (Sharpe)

*Ceryle septentrionalis* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 134.  
(Lower California, south to Panamá; restricted to Teapa, Tabasco, by Goldman, Smiths. Misc. Coll., **56**, 1911, no. 27, p. 1.)

*Chloroceryle americana vanrossemi* Brodkorb, Auk, **57**, 1940, p. 544.  
(Finca Esperanza, Chiapas.)

Southeastern Texas; all of tropical México (except area occupied by *hachisukai*) south to Guatemala and El Salvador.

**Chloroceryle americana isthmica** (Goldman)

*Ceryle americana isthmica* Goldman, Smiths. Misc. Coll., **56**, 1911, no. 27, p. 1. (Río Indio, near Gatun, Canal Zone.)

<sup>1</sup> G. R. Gray's 1855 designation is invalid since he credits the genus to Reichenbach as of 1851.

Tropical Central America from Honduras and Nicaragua to eastern Panamá; Pearl Islands; northern Colombia.

***Chloroceryle americana americana* (Gmelin)**

*Alcedo americana* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 451. (Cayenne.)

Tropical South America east of the Andes, south to eastern Perú, northeastern Bolivia and northern Brazil to states of Amazonas, Pará and Bahia.

**?*Chloroceryle americana hellmayri* Laubmann**

*Chloroceryle americana hellmayri* Laubmann, Anz. Orn. Ges. Bayern, 1, 1922, p. 50. (Noanamá, Río San Juan, Colombia.)

Western Colombia (doubtfully distinct from *C. a. americana*).

***Chloroceryle americana cabanisii* (Tschudi)**

*Alcedo Cabanisii* "Lin." Tschudi, Fauna Peruana, Orn., 1846, p. 253. (Perú, i.e. vicinity of Lima.)

Western Perú.

***Chloroceryle americana croteta* Wetmore**

*Chloroceryle americana croteta* Wetmore, Journ. Wash. Acad. Sci., 12, 19 Aug., 1922, p. 325. (Tobago.)

*Chloroceryle americana insularum* Laubmann, Anz. Orn. Ges. Bayern, 1, 20 Nov., 1922, p. 52. (Tobago.)

Islands of Trinidad and Tobago.

***Chloroceryle americana mathewsii* Laubmann**

*Alcedo viridis* Vieillot, Nouv. Dict. Hist. Nat., 19, 1818, p. 413. (Paraguay.) Not *Alcedo viridis* Meuschen, 1787.

*Chloroceryle americana mathewsii* Laubmann, Verh. Orn. Ges. Bayern, 17, 1927, p. 126. New name to replace *Alcedo viridis* Vieillot, preoccupied.

Southern Bolivia, Brazil south of the range of *C. a. americana*, Paraguay, Uruguay, northern Argentina south to Tucumán, Córdoba and Buenos Aires.

***Chloroceryle inda inda* (Linné)**

*Alcedo inda* Linné, Syst. Nat., ed. 12, 1, 1766, p. 179. ("India occidentali," error = Guiana ex Edwards.)

Tropical Central and South America, except parts occupied by the next race, from Panamá (casual? north to Nicaragua and eastern Costa Rica) to Ecuador, Amazonian Perú, and Brazil south to Matto Grosso and Santa Catharina.

**Chloroceryle inda chocoensis** Todd

*Chloroceryle inda chocoensis* Todd, Proc. Biol. Soc. Wash., **56**, 1943, p. 47. (El Tambo, Chocó, Colombia.)

Western Colombia (and western Ecuador?).

**Chloroceryle aenea stictoptera** (Ridgway)

*Ceryle superciliosa stictoptera* Ridgway, Proc. Biol. Soc. Wash., **2**, 1884, p. 95. (Sisal, Yucatán.)

Southern México and northern Central America from Oaxaca and Vera Cruz south to El Salvador, Nicaragua and Honduras; Islands of Cozumel and Bonacca.

**Chloroceryle aenea aenea** (Pallas)<sup>1</sup>

*Alcedo aenea* Pallas, in Vroeg's Cat., Adumbr., 1764, p. 1, no. 54. (Surinam.)

*Ceryle æquatorialis* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 109 (in key), p. 140, pl. 4 [i.e. 5], f. 1. (Santa Rita, Ecuador.)

Southern Central America and northern South America from Costa Rica to western Ecuador, northeastern Bolivia, Matto Grosso and São Paulo; Island of Trinidad.

SUBFAMILY **ALCEDININAE**GENUS **ALCEDO** LINNÉ

*Alcedo* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 115. Type, by subsequent designation, *Alcedo ispida* Linné. (Swainson, Zool. Illustr., **1**, 1820-21 (1821), text to pl. 26.)

*Megalcedo* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 195. Type, by original designation and monotypy, *Alcedo hercules* Laubmann.

*Cyanispida* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 195. Type, by original designation and monotypy, *Alcedo coerulescens* Vieillot.

*Euryzonina* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 195. Type by original designation, monotypy and virtual tautonymy, *Alcedo euryzona* Temminck.

*Alcedinoides* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 195. Type, by original designation, *Alcedo meninting* Horsfield.

*Pseudalcedo* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 196. Type, by original designation, *Alcedo quadribrachys* Bonaparte.

<sup>1</sup> Replaces *Ceryle superciliosa* (Linné) 1766, of Sharpe's Hand-list.

*Caeruleornis* Laubmann (subgenus), Arch. f. Naturg., **89**, Abth. A, 1923 (1924), Heft 12, p. 196. Type, by original designation and monotypy, *Alcedo semitorquata* Swainson.

cf. Stuart Baker, Bull. Brit. Orn. Cl., **39**, 1919, p. 36-40.

Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 249-260.

Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 249-258.

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 287-293.

Chasen, Bull. Raffles Mus., no. 11, 1935, p. 99-101.

Hartert, Vög. pal. Fauna, **2**, 1912, p. 880-883.

Laubmann, Verh. Orn. Ges. Bayern, **12**, 1916, p. 238-241.

Laubmann, Arch. f. Naturg., **84**, Abth. A, 1918 (1920), Heft 7, p. 43-82.

Laubmann, Journ. f. Orn., **71**, 1923, p. 10-13.

Salomonsen, Journ. f. Orn., **82**, 1934, p. 237-246.

Witherby et al., Handb. Brit. Bds., **2**, 1938, p. 273-276.

### SUBGENUS *ALCEDO* LINNÉ

#### *Alcedo hercules* Laubmann

*Alcedo grandis* Blyth, Journ. As. Soc. Bengal, **14**, pt. 1, 1845, p. 190. (Darjeeling.) Not *Alcedo grandis* Gmelin, 1788.

*Alcedo hercules* Laubmann, Verh. Orn. Ges. Bayern, **13**, 1917, p. 105.

New name for *Alcedo grandis* Blyth, preoccupied.

*Alcedo iredalei* Stuart Baker, Bull. Brit. Orn. Club, **42**, 1921, p. 29.

New name for *Alcedo grandis* Blyth.

*Alcedo megalia* Kinnear, Ibis, 1929, p. 121. New name for *grandis*.

Sikkim to eastern Assam; Cachar, Sylhet, Manipur, Chin Hills, Tonkin; Island of Hainan.

#### *Alcedo atthis ispida* Linné

*Alcedo Ispida* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 115. (Europe and Asia = Sweden.)

*Alcedo atthis brevirostris* Burg, Weidmann, 1921, no. 46, p. 8. (Alps.)

British Isles, northern Europe from Sweden to Russia (north to lat. 58° in west portion and 56° in east) south to the Iberian Peninsula, France, northern Italy, Yugoslavia and Rumania.

#### *Alcedo atthis atthis* (Linné)

*Gracula Atthis* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 109. (Egypt.)

*Alcedo pallida* A. E. Brehm, Journ. f. Orn., **1**, 1853, p. 454, note. (Egypt.)

*Alcedo longirostris* Radde, Orn. Caucasica, 1884, p. 384. (Caucasus.)

*Alcedo macrorhynchus* Radde, *t.c.* Alternate name for *longirostris*.

*Alcedo ispida Spatzii* Koenig, Journ. f. Orn., **40**, 1892, p. 367, in text. (Monastir, Tunisia.)

*Alcedo atthis corsicana* Laubmann, Arch. f. Naturg., **84**, Abth. A, 1918 (1920), Heft 7, p. 75, 80.<sup>1</sup> (Ajaccio, Corsica.)

*Alcedo ispida Suschkini* Pusanov, Bull. Soc. Nat. Moscou, Sect. Biol., **42**, 1933, p. 15. (Crimea and Ukraina.)

*Alcedo ispidia scythia* "Sushkin MS", Pusanov, Bull. Soc. Nat. Moscou, Sect. Biol., **42**, 1933, p. 15. Alternate name for *suschkini*.

Southern Europe from southern Italy to southern Russia; Corsica, Sardinia, Sicily, Cyprus; Caucasus, Syria, Palestine; Arabia south to Jidda and Masqat; Africa north of the Sahara from Morocco to Egypt.

### ***Alcedo atthis pallasii* Reichenbach**

*Alcedo Pallasii* Reichenbach, Handb. spec. Orn., 1851, p. 3, pl. CCCXCII, figs. 3043-46. (Siberia.)

*Alcedo margelanica* Madarász, Ann. Mus. Nat. Hungarici, **2**, 1904, p. 86. (Margelan, Ferghana, Turkestan.)

*Alcedo ispida sibirica* Tschusi, Orn. Jahrb, **15**, 1904, p. 99. (Barnaul, Siberia.)

Western Siberia and Transcaspiia to Persia and Turkestan.

### ***Alcedo atthis bengalensis* Gmelin**

*Alcedo bengalensis* Gmelin, Syst. Nat. **1**, pt. 1, 1788, p. 450. (Bengal.)

Northern India from Sind to Bengal and Assam, south to the Godavery River; the greater part of eastern Asia from Manchuria and Ussuriland to the Malay Peninsula, Siam and Indochina; Andaman and Nicobar Islands; Greater Sunda Islands, Philippines, Anamba Islands.

### ***Alcedo atthis taprobana* Kleinschmidt**

*Alcedo ispida* var. *taprobana* Kleinschmidt, Orn. Monatsb., **2**, 1894, p. 126. (Ceylon.)

India south of the Godavery River; Ceylon.

### ***Alcedo atthis japonica* Bonaparte**

*Alcedo japonica* Bonaparte, Ateneo Italiano, no. 11, 1854, p. 320.<sup>2</sup> (Japan; new name for *A. bengalensis* Schlegel, not of Gmelin).

*Alcedo atthis formosana* Laubmann, Arch. f. Naturg., **84**, Abth. A, 1918 (1920), Heft 7, p. 73, 77.<sup>3</sup> (Nantu district, Formosa.)

*Alcedo* (*Alcedo*) *atthis götzii* Laubmann, Verh. Orn. Ges. Bayern, **15**, 1923, p. 390. (Amamioshima, Riu Kiu Islands.)

Sakhalin, the Japanese Islands, Riu Kiu Islands, Formosa.

<sup>1</sup> *Alcedo atthis atthis corsicana*, p. 80.

<sup>2</sup> P. 10. of the separately paged reprint entitled Conspectus Vol. Anisodact.

<sup>3</sup> *Alcedo atthis atthis formosana*, p. 77.



**Alcedo atthis floresiana** Sharpe

*Alcedo floresiana* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 140 (in key), p. 151. (Flores, Lesser Sunda Islands.)

Bali, Sumbawa, Flores, Alor, Wetar, Roma, Sumba, Timor.

**Alcedo atthis hispidoides** Lesson

*Alcedo hispidoides* Lesson, Descr. Mamm. et Ois. récemm. découv. Compl. Oeuvres Buffon, **9**, 1837, p. 345. (Buru.)

*Alcedo ispida pelagica* Stresemann, Nov. Zool., **20**, 1913, p. 316. (St. Aignan Island.)

Sangir Islands, Celebes, Buton, Tukangbesi group, Djampea, Kalao, Saleyer, Peling, Sula Islands, Moluccas, western Papuan Islands (Misol, Salawatti), northeastern New Guinea, D'Entrecasteaux, Louisiade and Bismarck Archipelagos, Admiralty Islands, Squally Island, St. Matthias Island, Feni Island, Nissan Island.

**Alcedo atthis salomonensis** Rothschild and Hartert

*Alcedo ispida salomonensis* Rothschild and Hartert, Nov. Zool., **12**, 1905, p. 255. (Rendova and Gizo, Solomon Islands; type from Rendova.)

Solomon Islands, from Bougainville and Mono to San Cristóbal.

**Alcedo semitorquata** Swainson <sup>1</sup>

*Alcedo semitorquata* Swainson, Zool. Illustr., **3**, 1822-23, (1823), pl. 151 and text. (Great Fish River, South Africa.)

*Alcedo (Caeruleornis) semitorquata heuglini* Laubmann, Anz. Orn. Ges. Bayern, **1**, 1925, p. 74. (Dire Daoua, Ethiopia.)

Africa from Angola and Damaraland to Cape Province and through eastern Africa northward to Ethiopia.

**Alcedo meninting coltarti** Stuart Baker

*Alcedo meninting coltarti* Stuart Baker, Bull. Brit. Orn. Cl., **39**, 1919, p. 39. (Saddy, Assam.)

Sikkim, Bhutan, Shan States and Laos, south to lat. 16° N. in Burma; Siam; recorded from Indochina.

**Alcedo meninting laubmanni** Mathews

*Alcedo Asiatica* Swainson, Zool. Illustr., **1**, 1820-21 (1821), pl. 50. ("Some part of India" = Bengal designated as type locality by Stuart Baker, 1919, *supra*, p. 37.) Not *Alcedo asiatica* Meuschen, Mus. Geversianum, 1787, p. 54, no. 262.

*Alcedo laubmanni* Mathews, Bull. Brit. Orn. Cl., **46**, 1925, p. 21.

New name for *Alcedo asiatica* Swainson, preoccupied.

Bengal, Orissa, Belgaum and the Malabar Coast.

<sup>1</sup> I do not agree with Salomonsen, *antea* that this species is a race of *A. atthis*.

**Alcedo meninting phillipsi** Stuart Baker

*Alcedo meninting phillipsi* Stuart Baker, Bull. Brit. Orn. Cl., **47**, 1927, p. 72. (Cocoawatte Estate, Ceylon.)

Ceylon and Travancore (the identity of the bird of south India not definitely established).

**Alcedo meninting scintillans** Stuart Baker

*Alcedo meninting scintillans* Stuart Baker, Bull. Brit. Orn. Cl., **39**, 1919, p. 38. (Bankasoon.)

Peninsular Burma and Peninsular Siam.

**Alcedo meninting rufigaster** Walden

*Alcedo rufigaster* Walden, Ann. and Mag. Nat. Hist. (4), **12**, 1873, p. 487. (South Andaman Island.)

Andaman Islands.

**Alcedo meninting verreauxii** De La Berge

*Alcedo Verreauxii* De La Berge, Rev. et Mag. Zool. (2), **3**, 1851, p. 305, pl. 9. (Borneo.)

Malay Peninsula, Sumatra,<sup>1</sup> Rhio Archipelago, Banka, Billiton and Borneo.

**Alcedo meninting proxima** Richmond

*Alcedo meninting proxima* Richmond, Proc. Biol. Soc. Wash., **25**, 1912, p. 104. (North Pagi Island.)

Pagi Islands.

**Alcedo meninting subviridis** Oberholser

*Alcedo meninting subviridis* Oberholser, Smiths. Misc. Coll., **60**, 1912, no. 7, p. 7. (Lafau, Nias Island.)

Banjak Islands and Nias Island.

**Alcedo meninting callima** Oberholser

*Alcedo meninting callima* Oberholser, Smiths. Misc. Coll., **60**, 1912, no. 7, p. 7. (Tana Bala Island, Batu Islands.)

Batu Islands.

**Alcedo meninting meninting** Horsfield

*Alcedo Meninting* Horsfield, Trans. Linn. Soc. London, **13**, pt. 1, 1821, p. 172. (Java.)

Java, Bali, Lombok; Peling and Banggai; Sula Islands; birds from Palawan and Sulu group of the Philippine Islands are usually referred here, perhaps erroneously.

<sup>1</sup> This or some other race of *A. meninting* occurs on Enggano, cf. Junge, Treubia, **16**, 1938, p. 346.

***Alcedo quadribrachys*<sup>1</sup> *quadribrachys* Bonaparte**

*Alcedo quadribrachys* "Temm." Bonaparte, Consp. Av., 1, 1850, p. 158. (Guinea.)

Gambia? Portuguese Guinea, Sierra Leone, Liberia, Ivory Coast, Gold Coast, Togoland and Northern Nigeria.

***Alcedo quadribrachys guentheri* Sharpe**

*Alcedo guentheri* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 141 (in key), p. 156, pl. 4, f. 2. (West Africa from Congo to Gaboon and the Niger district as far as Lagos.)

Southern Nigeria eastward to Uganda and south to the Kwango River, Angola, southern Kasai and Lake Kisale.

***Alcedo euryzona peninsulae* Laubmann**

*Alcedo nigricans* Blyth, Journ. As. Soc. Bengal, 16, pt. 2, 1847, p. 1180. (Malacca.)

*Alcedo euryzonina peninsulae* Laubmann, Verh. Orn. Ges. Bayern, 22, 1941, p. 165. New name for *Alcedo nigricans* Blyth, not *Alcedo nigricans* Meuschen, 1787.

Tenasserim, Malay Peninsula and Sumatra.<sup>2</sup>

***Alcedo euryzona euryzona* Temminck**

*Alcedo cryzona* [sic] Temminck, Pl. col., livr. 86, 1830. (Java.)

*Alcedo euryzona* Temminck, op. cit., index, 1838-9. Correction of *lapsus*.

Java, Borneo.<sup>3</sup>

***Alcedo coerulescens* Vieillot**

*Alcedo caerulescens* Vieillot, Nouv. Dict. Hist. Nat., 19, 1818, p. 401. (Timor, error = Java.)<sup>4</sup>

Java, Bali, Kangean Islands, Lombok, Sumbawa.

SUBGENUS **CORYTHORNIS** KAUP

*Corythornis* Kaup, Verh. naturhist. Ver. Grossherz. Hessen, Heft 2, 1848, p. 71, 72. Type, by subsequent designation, *Alcedo nais* Kaup. (G. R. Gray, Gen. Bds., 3, 1849, App., p. 5).

*Ispidella* Mathews, Bds. Austr., 7, 1918, p. 97. Type, by original designation and monotypy, *Halcyon leucogaster* Fraser.

<sup>1</sup> See note under *Alcedo semitorquata*, p. 173.

<sup>2</sup> Sumatran birds are intermediate between this race and the typical form.

<sup>3</sup> Bornean examples may prove separable.

<sup>4</sup> Replaces *Alcedo beryllina* Vieill., t.c. p. 414.

**Alcedo cristata thomensis** (Salvadori)

*Corythornis thomensis* Salvadori, Ibis, 1902, p. 568, pl. 13. (São Thomé.)

Island of São Thomé.

**Alcedo cristata nais** Kaup

*Alcedo Nais* Kaup, Verh. naturhist. Ver. Grossherz. Hessen, Heft 2, 1848, p. 72. (Africa, part unknown.)

Principe Island.

**Alcedo cristata cristata** Pallas

*Alcedo cristata* Pallas, in Vroeg's Cat., 1764, Adumbr. p. 1. (Cape of Good Hope).<sup>1</sup>

*Alcedo galerita* P. L. S. Müller, Natursyst., suppl., 1776, p. 94. (Senegal).<sup>2</sup>

Africa from Senegal, Nubia and Eritrea to the Cape of Good Hope.

**Alcedo cristata robertsi** nomen nov.

*Corythornis cristata longirostris* Roberts, Ann. Transvaal Mus., 15, 1932, p. 25. (Kabulabula, Chobe River, Bechuanaland.) Not

*Alcedo longirostris* Radde, 1884.

Range not worked out.

**Alcedo cristata johannae** (R. Meinertzhagen)

*Corythornis cristata johannæ* R. Meinertzhagen, Bull. Brit. Orn. Cl., 44, 1924, p. 44. (Anjouan Island.)

Comoro Islands.

**Alcedo cristata vintsioides** Eydoux and Gervais

*Alcedo Vintsioides* Eydoux and Gervais, Voy. de la 'Favorite,' in Mag. Zool., 1836, p. 30, pl. 74. (Madagascar).<sup>3</sup>

Madagascar.

**Alcedo leucogaster leucogaster** (Fraser)

*Halcyon leucogaster* Fraser, Proc. Zool. Soc. London, pt. 11, 1843, p. 4. (Clarence, Fernando Po.)

Island of Fernando Po.

**Alcedo leucogaster bowdleri** Neumann

*Alcedo leucogaster bowdleri* Neumann, Bull. Brit. Orn. Cl., 23, 1908, p. 14. (Sierra Leone.)

<sup>1</sup> Replaces *Corythornis cyanostigma* (Rüpp.) of Sharpe's Hand-list.

<sup>2</sup> Not recognized by Bannerman (*antea*) nor by Chapin (*antea*), but cf. Grote, Orn. Monatsb., 40, 1932, p. 23-24.

<sup>3</sup> Replaces *Corythornis cristata* (Linn.), not *Alcedo cristata* Pall., of Sharpe's Hand-list.

*Alcedo leucogaster neumanni* Laubmann, Anz. Orn. Ges. Bayern, **1**, 1926, p. 89. (Abetifi, Ashanti.)

Portuguese Guinea, Sierre Leone, Liberia, Gold Coast Colony.

***Alcedo leucogaster batesi* (Chapin)**

*Corythornis leucogaster batesi* Chapin, Ibis, 1922, p. 442. (Bitye, Cameroon.)

Southern Nigeria and forests of lower Guinea from Cameroon through Gaboon to northern Angola.

***Alcedo leucogaster leopoldi* (Dubois)**

*Ispidina leopoldi* Dubois, Ann. Mus. Congo, Zool. (4), **1**, 1905, fasc. 1, p. 10, pl. 6, f. 1. (Region of Lake Leopold II.)

Upper Congo forests.

GENUS **MYIOCEYX** SHARPE

*Myioceyx* Sharpe, Monogr. Alced, 1871, p. x, xi, xiii. Type, by monotypy, *Ispidina ruficeps* Hartlaub = *Ispidina lecontei* Cassin.

cf. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 261-262.

Bates, Ibis, 1911, p. 514.

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 283-284.

***Myioceyx lecontei lecontei* (Cassin)**

*Ispidina Lecontei* Cassin, Proc. Acad. Nat. Sci. Phila., **8**, 1856, p. 158. (Moonda River, Gaboon.)

Fantee eastward through the equatorial forest to the Ituri district and the Semliki Valley, south to Gaboon and the Kasai.

**?*Myioceyx lecontei ugandae* van Someren**

*Myioceyx ruficeps ugandæ* van Someren Bull. Brit. Orn. Cl., **41**, 1921, p. 105. (Budongo, Uganda.)

— Isolated forests of Uganda. Doubtfully distinct.

GENUS **ISPIDINA** KAUP

*Ispidina* Kaup, Verh. naturhist. Ver. Grossherz. Hessen, **2**, 1848, p. 71, 72. Type, by monotypy, *Todus pictus* Boddaert.

*Ceycoides* Mathews, Bds. Austr., **7**, 1918, p. 98. Type, by original designation and monotypy, *Alcedo madagascariensis* Linné.

cf. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 258-260.

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 283-284.

***Ispidina picta picta* (Boddaert)**

*Todus pictus* Boddaert, Table Pl. enlum., 1783, p. 49. (Juida = St. Louis, Senegal.)

Africa south of the Sahara from Senegal, the Sudan and Eritrea, south to Angola, Lower Katanga and the coast of Kenya Colony.

***Ispidina picta jubaensis* van Someren**

*Ispidina picta jubaensis* van Someren, Journ. E. Afr. and Uganda Nat. Hist. Soc., no. 37, 1930 (1931), p. 193. (Serenli, Juba River, Italian Somaliland.)

Middle Juba River, southern Somaliland.

***Ispidina picta natalensis* (A. Smith)**

*Alcedo Natalensis* A. Smith, S. Afr. Quart. Journ., no. 5, 1831 (1832), p. 14. ("Banks of rivers etc. to the eastward of Cafferland.")

Southeastern Africa from Natal and Pondoland north to Tanganyika Territory, the Kivu highlands, Northern Rhodesia, and probably the Upper Katanga.

***Ispidina madagascariensis* (Linné)**

*Alcedo madagascariensis* Linné, Syst. Nat., ed. 12, 1, 1766, p. 179. (Madagascar.)

Madagascar; absent from the southwestern portion.

GENUS **CEYX** LACÉPÈDE<sup>1</sup>

*Ceyx* Lacépède, Tabl. Ois., 1799, p. 10. Type, by monotypy, *Alcedo tridactyla* Pallas = *Alcedo erithaca* Linné (species added, Daudin, in Buffon, Hist. Nat. (éd Didot), 14, 1802, p. 287.)

*Micralcyone* Mathews, Austr. Av. Rec., 1, 1912, p. 107. Type, by original designation, *Alcyone pusilla halli* Mathews.

*Cyanoceyx* Mathews, Bds. Austr., 7, 1918, p. 96. Type, by original designation, *Ceyx lepidus* Temminck.

*Ceycalcyon* Mathews, Bds. Austr., 7, 1918, p. 97. Type, by original designation, *Ceyx cyanopectus* Lafresnaye.

*Argyroceyx* Mathews, Bds. Austr., 7, 1918, p. 97. Type, by original designation, *Ceyx argentata* Tweeddale.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 260-262. Chasen, Bull. Raffles Mus., no. 11, 1935, p. 101.

Chasen and Kloss, Bull. Raffles Mus., no. 4, 1930, p. 21-24.

Manuel, Phil. Journ. Sci., 69, 1939, p. 377-385.

Mathews, Bds. Austr., 7, 1918, p. 82-104.

Mayr, List New Guinea Bds., 1941, p. 86-87.

Ripley, Zoologica, 27, 1942, p. 55-59.

<sup>1</sup> Includes *Alcyone* Swainson, 1837 and *Ceycopsis* Salvadori, 1869 of Sharpe's Hand-list.

**Ceyx cyano-pectus cyano-pectus** Lafresnaye

*Ceyx cyano-pectus* Lafresnaye, Rev. Zool., 1840, p. 33. (Type locality unknown = Luzon by designation of Bangs, Bull. Mus. Comp. Zool., 70, 1930, p. 207.)

*Ceyx steerii* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 174 (in key), p. 187. (Mindoro.)

Philippine Islands: Luzon, Polillo, Marinduque, Mindoro, Sibuyan, Masbate, Ticao.

**Ceyx cyano-pectus nigrirostris** Bourns and Worcester

*Ceyx nigrirostris* Bourns and Worcester, Occ. Papers Minnesota Acad. Sci., 1, 1894, p. 13. (Panay, Negros and Cebu.)

Philippine Islands: Panay, Negros, Cebu.

**Ceyx argentatus argentatus** Tweeddale

*Ceyx argentata* Tweeddale, Ann. and Mag. Nat. Hist. (4), 20, 1877, p. 533. (Dinagat, Philippine Islands.)

Philippines: Panay, Negros, Cebu, Dinagat, Mindanao, Basilan.

**Ceyx argentatus flumenicolus** Steere

*Ceyx flumenicola* Steere, List. Bds. Mamms. Steere Exped., 1890, p. 10. (Samar and Leyte.)

Philippines: Samar, Leyte.

**?Ceyx goodfellowi goodfellowi** Ogilvie-Grant

*Ceyx goodfellowi* Ogilvie-Grant, Bull. Brit. Orn. Cl., 16, 1905, p. 17. (Piso, Mindanao.)

Known only from the unique type.<sup>1</sup>

**?Ceyx goodfellowi virgicapitus** Manuel

*Ceyx goodfellowi virgicapitus* Manuel, Phil. Journ. Sci., 74, 1941, p. 367, pl. 1. (Batobato, Tawi Tawi.)

Confined to Tawi Tawi.<sup>1</sup>

**Ceyx lepidus margarethae** Blasius

*Ceyx margarethae* Blasius, Braunsch. Anz., May, 1890, no. 87. (Mindanao.)

*Ceyx suluensis* Blasius, Braunsch. Anz., May 1890, no. 87. (Jolo.)

*Ceyx Bournsii* Steere, List Bds. Mamms. Steere Exped., July, 1890, p. 10, no. 72. (Basilan.)

*Ceyx Malamaui* Steere, List Bds. Mamms. Steere Exped., July, 1890, p. 11, no. 73. (Basilan.)

<sup>1</sup> *Ceyx goodfellowi* is either a distinct species with a representative on Tawi Tawi, or what is more likely, both *goodfellowi* and *virgicapitus* are variants of the variable *C. lepidus margarethae*.

Philippine Islands: Banton, Tablas, Romblon, Sibuyan, Negros, Cebu, Siquijor, Mindanao, Basilan, Jolo, Tawi Tawi, Bongao.

***Ceyx lepidus wallacii* Sharpe**

*Ceyx wallacii* Sharpe, Proc. Zool. Soc. London, 1868, p. 70. (Sula Islands.)

Sula Islands.

***Ceyx lepidus lepidus* Temminck**

*Ceyx lepidus* Temminck, Pl. col., livr. 100, 1836, pl. 595, f. 1. (Amboina.)

Moluccas: Morotai, Tidore, Halmahera, Batjan, Great and Little Obi, Ceram; Saparua, Amboina, Kisui, Goram, Ceramlaut, Watubela.

***Ceyx lepidus cajeli* Wallace**

*Ceyx cajeli* Wallace, Proc. Zool. Soc. London, 1863, p. 25, pl. 5. (Buru.)

Moluccas: Buru.

***Ceyx lepidus solitarius* Temminck**

*Ceyx solitaria* Temminck, Pl. col., livr. 100, 1836, p. 595, f. 2. (Lobo Bay, New Guinea.)

*Alcyonella bella* Diggles, Trans. Phil. Soc. Queensland, 2, 1878, p. 6.<sup>1</sup> (Queensland, error = Aru Islands.)

*Ceyx laeta* DeVis, Ann. Rept. Brit. New Guinea, 1893-94, 1894, p. 100. (Mt. Maneao, New Guinea.)

Western Papuan Islands: Misol, Waigeu; islands in Geelvink Bay: Jobi, Biak; all New Guinea, Karkar Island, D'Entrecasteaux Archipelago, Aru Islands.

***Ceyx lepidus dispar* Rothschild and Hartert**

*Ceyx dispar* Rothschild and Hartert, Bull. Brit. Orn. Cl., 33, 1914, p. 106. (Manus, Admiralty Islands.)

Admiralty Islands.

***Ceyx lepidus mulcatus* Rothschild and Hartert**

*Ceyx solitaria mulcata* Rothschild and Hartert, Bull. Brit. Orn. Cl., 35, 1914, p. 24. (New Hanover.)

Bismarck Archipelago: New Hanover, New Ireland.

***Ceyx lepidus sacerdotis* Ramsay**

*Ceyx sacerdotis* Ramsay, Journ. Linn. Soc. London, 16, 1882, p. 128. (Kabahadai, New Britain.)

Bismarck Archipelago: New Britain, Rook Island.

<sup>1</sup> See note on p. 183.



**Ceyx lepidus pallidus** Mayr

*Ceyx lepidus pallidus* Mayr, Am. Mus. Novit., no. 820, 1935, p. 2.  
(Bougainville, Solomon Islands.)

Solomon Islands: Buka, Bougainville.

**Ceyx lepidus collectoris** Rothschild and Hartert

*Ceyx lepida collectoris* Rothschild and Hartert, Nov. Zool., **8**, 1901,  
p. 376. (Guadalcanal, error = central Solomon Islands; cf. Nov.  
Zool., **12**, 1905, p. 256.)

Solomon Islands: Choiseul, Vella LaVella, Ganonga, Kulambangra,  
New Georgia, Rendova, Tetipari, Vangunu, Gatukai.

**Ceyx lepidus meeki** Rothschild

*Ceyx meeki* Rothschild, Bull. Brit. Orn. Cl., **12**, 1901, p. 23. (Ysabel  
Island, Solomon Islands.)

Solomon Islands: Choiseul, Ysabel.

**Ceyx lepidus malaitae** Mayr

*Ceyx lepidus malaitae* Mayr, Am. Mus. Novit., no. 820, 1935, p. 2.  
(Malaita, 3000 feet, Solomon Islands.)

Solomon Islands: Malaita.

**Ceyx lepidus nigromaxilla** Rothschild and Hartert

*Ceyx lepida nigromaxilla* Rothschild and Hartert, Nov. Zool., **12**,  
1905, p. 256. (Guadalcanal.)

Solomon Islands: Guadalcanal.

**Ceyx lepidus gentianus** Tristram

*Ceyx gentiana* Tristram, Ibis, 1879, p. 438, pl. 11. (Makira Harbor,  
San Cristóval, Solomon Islands.)

Solomon Islands: San Cristóval.

**Ceyx azureus affinis** (G. R. Gray)

*Alcyone affinis* G. R. Gray, Proc. Zool. Soc. London, pt. 28, 1860,  
p. 348. (Batjan.)

Northern Moluccas: recorded from Halmahera and Batjan.

**Ceyx azureus yamdenae** (Rothschild)

*Alcyone azurea yamdenae* Rothschild, Bull. Brit. Orn. Cl., **11**, 1901,  
p. 65. (Yamdena, Tenimber Islands.)

Tenimber Islands.

**?Ceyx azureus wallaceanus** (Mathews)

*Alcyone azurea wallaceana* Mathews, Bds. Austr., **7**, 1918, p. 94.  
(Aru Islands.)

Aru Islands; doubtfully distinct from *C. a. lessonii*.

**Ceyx azureus lessonii** (Cassin)

*Alcyone Lessonii* Cassin, Proc. Acad. Nat. Sci. Phila., 5, 1850, p. 69.  
(Dorey Harbor, i.e. Manokwari, New Guinea.)

Western Papuan Islands: Misol, Batanta, Waigeu; Fergusson Island; lowlands of New Guinea (except parts occupied by *C. a. ochrogaster*).

**Ceyx azureus ochrogaster** (Reichenow)

*Alcyone ochrogaster* Reichenow, Journ. f. Orn., 51, 1903, p. 149, in text. (New Guinea, type from the Ramu River.)

*Alcyone azurea distincta* Mathews, Bds. Austr., 7, 1918, p. 94.  
(Humboldt Bay, New Guinea.)

Islands in Geelvink Bay: Jobi, Numfor, Biak; Karkar Island; northern New Guinea from the Mamberano River eastward to Astrolabe Bay and the Ramu River.

**Ceyx azureus pulcher** (Gould)

*Alcyone pulchra* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 19.  
(Port Essington, Northern Territory.)

*Alcyone azurea mixta* Mathews, Nov. Zool., 18, Jan., 1912, p. 285.  
(North Queensland.)

*Alcyone azurea alisteri* Mathews, Austr. Av. Rec., 1, Apr., 1912, p. 37. (Parry's Creek, North-West Australia.)

North-West Australia, Northern Territory, northern Queensland.

**Ceyx azureus azureus** (Latham)

*Alcedo azurea* Latham, Index Orn., suppl., 1801, p. xxxii. (Norfolk Island, error = New South Wales.)

*Alcyone Diemenensis* Gould, Proc. Zool. Soc. London, pt. 14, 1846, p. 19. (Tasmania.)

*Alcyone azurea victoriae* Mathews, Nov. Zool., 18, 1912, p. 285.  
(Victoria; type from Frankston.)

Southern Queensland, New South Wales, Victoria and South Australia; Tasmania.

**Ceyx websteri** (Hartert)

*Alcyone websteri* Hartert, in C. Cayley Webster's Through New Guinea, 1898, p. 371. (New Hanover.) Col. pl., Ibis, 1899, pl. 3.

*Alcyone Websteri magna* "Martens," Duncker, Arch. f. Naturg., 88, Abth. A, 1922, Heft 7, p. 48. (New Britain.)

New Britain, New Hanover, New Ireland, Rook Island.

**Ceyx pusillus halmaherae** (Salomonsen)

*Alcyone pusilla halmaherae* Salomonsen, Bull. Brit. Orn. Cl., 54, 1934, p. 86. (Halmahera.)

Halmahera; probably also Batjan; Obi.

**Ceyx pusillus pusillus** Temminck

*Ceyx pusilla* Temminck, Pl. col., livr. 100, 1836, pl. 595, f. 3. (Lobo Bay, New Guinea.)

*Alcyone assimilis* Diggles, Trans. Phil. Soc. Queensland, 2, 1878, p. 6.<sup>1</sup> (Queensland, error = Aru Islands.)

Western Papuan Islands: Koffiao, Misol, Batanta, Gagi, Waigeu; Fergusson and Goodenough Islands; all New Guinea except part occupied by *C. p. laetior*; Aru Islands; Key Islands, islands in Torres Strait.

**Ceyx pusillus laetior** (Rand)

*Alcyone pusilla laetior* Rand, Am. Mus. Novit., no. 1102, 1941, p. 11. (Bernhard Camp, 50 meters, Idenberg River, Dutch New Guinea.)

Known definitely from Hollandia and the Idenberg River, but probably inhabits all of northern New Guinea from Geelvink Bay to Astrolabe Bay.

**Ceyx pusillus ramsayi** (North)

*Alcyone ramsayi* North, Ibis, Jan., 1912, p. 119. (Port Essington, Northern Territory.)

Northern Territory.

**Ceyx pusillus halli** (Mathews)

*Alcyone pusilla halli* Mathews, Nov. Zool., 18, Jan., 1912, p. 286. (Cairns, Queensland.)

*Micralcyone pusilla yorki* Mathews, Bds. Austr., 7, 1918, p. 103. (Cape York, Queensland.)

Northern Queensland.

**Ceyx pusillus masauji** (Mathews)

*Micralcyone pusilla masauji* Mathews, Bull. Brit. Orn. Cl., 47, 1927, p. 90. (Wood Harbor, New Ireland.)

New Hanover, New Ireland, New Britain.

**Ceyx pusillus bougainvillei** (Ogilvie-Grant)

*Alcyone richardsi bougainvillei* Ogilvie-Grant, Bull. Brit. Orn. Cl., 35, 1914, p. 13. (Bougainville, Solomon Islands.)

Solomon Islands: Bougainville, Choiseul, Ysabel and Florida.

**Ceyx pusillus richardsi** (Tristram)

*Alcyone richardsi* Tristram, Ibis, 1882, p. 134, pl. 4. (Rendova, Solomon Islands.)

Solomon Islands: Vella Lavella, Kulambangra, Gizo, New Georgia, Rendova, Tetipari, Vangunu.

<sup>1</sup> Not seen; so quoted by Mathews. See also Austr. Av. Rec., 2, p. 144-153.

**Ceyx pusillus aolae** (Ogilvie-Grant)

*Alcyone richardsi aolæ* Ogilvie-Grant, Bull. Brit. Orn. Cl., **35**, 1914, p. 13. (Guadalcanal, Solomon Islands.)

Known only from the unique type.

**Ceyx erithacus erithacus** (Linné)

*Alcedo erithaca* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 115. (Bengal.)

*Alcedo tridactyla* Pallas, Spic. Zool., fasc. 6, 1769, p. 10, pl. 2, f. 1. (Surinam. Error.)

*Ceyx enopopygius* Oberholser, Smiths. Misc. Coll., **60**, 1912, no. 7, p. 7. (Aru Bay, Sumatra.)

Locally distributed throughout the greater part of India, Burma, southeastern China, the Malay Peninsula, Siam and Indochina; islands of Ceylon and Hainan, Aroa Islands in the Straits of Malacca; Sumatra.

**Ceyx erithacus macrocarus** Oberholser

*Ceyx tridactylus macrocarus* Oberholser, Bull. U. S. Nat. Mus., no. 98, 1917, p. 24. (Great Nicobar Island, Nicobar Islands.)

Andaman and Nicobar Islands.

**Ceyx erithacus motleyi** Chasen and Kloss

*Ceyx erithacus motleyi* Chasen and Kloss, Journ. f. Orn., 1929, Hartert Festschr., p. 106. (Bettotan, near Sandakan, British North Borneo.)

Borneo, north Bornean Islands.

**Ceyx erithacus captus** Ripley

*Ceyx erithacus captus* Ripley, Proc. New England Zool. Cl., **19**, 1941, p. 15. (Soliga, Nias Island.)

Nias Island.

**Ceyx erithacus vargasi** Manuel

*Ceyx erithacus vargasi* Manuel, Phil. Journ. Sci., **69**, 1939, p. 383, pl. 1. (Puerto Galera, Mindoro.)

Island of Mindoro.

**Ceyx rufidorsum rufidorsum** Strickland

*Ceyx rufidorsa* Strickland, Proc. Zool. Soc. London, pt. 14, 1846 (1847), p. 99. (Malacca.)

*Ceyx dillwynni* Sharpe, Proc. Zool. Soc. London, 1868 (1869), p. 591, 593. (Labuan Island and Banjermassing, Borneo; type from Labuan.)

*Ceyx sharpei* Salvadori, Atti R. Accad. Sci. Torino, **4**, 1869, p. 463, col. pl. (Sarawak.)

*Ceyx innominata* Salvadori, Atti R. Accad. Sci. Torino, **4**, 1869, p. 465. (Malacca, Singapore, Sumatra, Banka, Java, Bawean, Borneo, Sumbawa, Flores.)

*Ceyx euerythra* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 173 (in key), p. 179. (Malacca, Sumatra, Labuan, northwestern Borneo, Palawan, Mindoro.)

*Ceyx rufidorsa robusta* Parrot, Abhandl. K. Bay. Akad. Wiss., **24**, 1907, p. 208. (Banka?)

Malay Peninsula, Sumatra, Rhio and Lingga Archipelagos, Banka, Billiton, Siberut, Sipora, Java, Bali, Borneo, North Natuna Islands, Anamba Islands, Philippine Islands (Palawan Group, Mindoro, Tawi Tawi), Kangean Islands, Bawean Islands, Lombok, Sumbawa, Flores and Sumba.

***Ceyx rufidorsum jungei* Ripley**

*Ceyx rufidorsus jungei* Ripley, Zoologica, **27**, 1942, p. 59. (Ajer Dingen, Simalur Island.)

Batu Islands and Simalur.

***Ceyx melanurus melanurus* (Kaup)**

*Alcedo melanura* Kaup, Verh. naturhist. Ver. Grossherz. Hessen, Heft 2, 1848, p. 74. (Philippines.)

Philippine Islands: Luzon, Polillo.

***Ceyx melanurus samarensis* Steere**

*Ceyx Samarensis* Steere, List. Bds. Mamms. Steere Exped., July, 1890, p. 10, no. 65. (Samar and Leyte.)

Philippine Islands: Samar and Leyte.

***Ceyx melanurus mindanensis* Steere**

*Ceyx Mindanensis* Steere, List Bds. Mamms. Steere Exped., July 1890, p. 10, no. 66. (No type locality, type from Ayala, Mindanao, *vide* Hachisuka.)

*Ceyx Basilanica* Steere, List Bds. Mamms. Steere Exped., July, 1890, p. 10, no. 67. (Basilan.)

*Ceyx Platenae* Blasius, Journ. f. Orn., **38**, Apr. [= Aug.?], 1890, p. 148. (Mindanao.)

Philippine Islands: Mindanao and Basilan.

***Ceyx fallax sangirensis* (Meyer and Wigglesworth)**

*Ceyxopsis sangirensis* Meyer and Wigglesworth, Bds. Celebes, **1**, 1898, p. 278. (Tabukan, Great Sangir Island.)

Sangir Islands.

***Ceyx fallax fallax* (Schlegel)**

*Dacelo fallax* Schlegel, Nederl. Tijdschr. Dierk., **3**, 1866, p. 187. (Mountainous parts of Celebes.)

Celebes.

## SUBFAMILY DACELONINAE

## GENUS PELARGOPSIS GLOGER

*Pelargopsis* Gloger, Hand-und Hilfsb. Naturg., 1842 (1841), p. 338. Diagnosis only, no type nor included species. Species added, Cabanis and Heine, Mus. Hein., Th. 2, 1860, p. 156-157. Type, *Alcedo javana* Boddaert.<sup>1</sup>

*Ramphalcyon* Reichenbach, Handb. spec. Orn., 1851, p. 16. Type, by subsequent designation, *Alcedo capensis* Linné. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 16.)

*Pelargopsioides* Laubmann (subgenus), Verh. Orn. Ges. Bayern, 16, 1924, p. 137. Type, by original designation, *Halcyon amauropterus* Pearson.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 262-267. Hachisuka, Bds. Phil. Ids., 2, 1939, p. 147-150.

Oberholser, Proc. U. S. Nat. Mus., 35, 1909, p. 657-680 (monogr.).

***Pelargopsis amauroptera* (Pearson)**

*Halcyon Amauropterus* Pearson, Journ. As. Soc. Bengal, 10, pt. 2, 1841, p. 635. (Calcutta, India.)

Eastern Bengal and southern Assam, southward through Arrakan, Pegu, Tenasserim and the Malay Peninsula as far as the Langkawi Islands.

***Pelargopsis capensis gurali* (Pearson)**

*Alcedo Gurali* Pearson, Journ. As. Soc. Bengal, 10, pt. 2, 1841, p. 633. (Midnapore, Bengal, India.)

Greater part of India (except the less well-watered regions), north to Nepal and Assam and east to extreme eastern Bengal; Ceylon.

***Pelargopsis capensis burmanica* Sharpe**

*Pelargopsis burmanica* Sharpe, Proc. Zool. Soc. London, 1870, p. 62 (in key), p. 67. (Tavoy, Tenasserim, Burma, Siam, Andaman Islands = Tonghoo, Burma.)

Burma, Siam, Indochina, and Malay Peninsula south to the Isthmus of Kra; Andaman Islands.

***Pelargopsis capensis intermedia* Hume**

*Pelargopsis intermedia* Hume, Stray Feath., 2, 1874, p. 166. (Southern Nicobars: restricted to Galatea Bay, Great Nicobar Island, by Oberholser, *antea*, p. 666.)

Nicobar Islands.

<sup>1</sup> Here definitely designated for the first time.

**Pelargopsis capensis malaccensis** Sharpe

*Pelargopsis malaccensis* Sharpe, Proc. Zool. Soc. London, 1870, p. 67, in text. (Malacca, Malay Peninsula.)

*Ramphalcyon capensis hydrophila* Oberholser, Proc. U. S. Nat. Mus., 35, 1909, p. 661 (in key), p. 677. (Singapore Island.)

Malay Peninsula south of the Isthmus of Kra; Rhio Archipelago, Lingga Archipelago.

**Pelargopsis capensis cyanopteryx** (Oberholser)

*Ramphalcyon capensis cyanopteryx* Oberholser, Proc. U. S. Nat. Mus., 35, 1909, p. 661 (in key), p. 676. (Tapanuli Bay, north-western Sumatra.)

*Ramphalcyon capensis arignota* Oberholser, Proc. Biol. Soc. Wash., 37, 1924, p. 136. (Indrigiri River, southeastern Sumatra.)

Sumatra, Mansalar Island, Banka, Billiton.

**Pelargopsis capensis simalurensis** Richmond

*Pelargopsis simalurensis* Richmond, Proc. U. S. Nat. Mus., 26, 1903, p. 498. (Simalur Island.)

Simalur Island.

**Pelargopsis capensis sodalis** Richmond

*Pelargopsis sodalis* Richmond, Proc. U. S. Nat. Mus., 26, 1903, p. 499. (Pulo Tuangku, Banjak Islands.)

Banjak Islands.

**Pelargopsis capensis nesoeca** (Oberholser)

*Ramphalcyon capensis nesoeca* Oberholser, Proc. U. S. Nat. Mus., 35, 1909, p. 661 (in key), p. 674. (Mojeia River, Nias Island.)

Nias Island and the Batu Islands.

**Pelargopsis capensis isoptera** (Oberholser)

*Ramphalcyon capensis isoptera* Oberholser, Proc. U. S. Nat. Mus., 35, 1909, p. 661 (in key), p. 671. (Sikakap Strait, Pagi Islands.)

Pagi Islands; Siberut, Sipora.

**Pelargopsis capensis capensis** (Linné)

*Alcedo capensis* Linné, Syst. Nat., ed. 12, 1, 1766, p. 180. (Cape of Good Hope, error = Java.)

*Pelargopsis fraseri* Sharpe, Proc. Zool. Soc. London, 1870, p. 62 (in key), p. 65. (Java, Malacca, Penang = Java.)

Java.

**Pelargopsis capensis floresiana** Sharpe

*Pelargopsis floresiana* Sharpe, Proc. Zool. Soc. London, 1870, p. 62 (in key), p. 68. (Flores.)

*Pelargopsis sasak* Vorderman, Natuurk. Tijdschr. Nederl. Indië, **54**, 1895, p. 334. (Laboean hadji, Lombok.)

Bali, Lombok, Sumbawa, Flores.

***Pelargopsis capensis javana* (Boddaert)**

*Alcedo Javana* Boddaert, Table Planch. enlum., 1783, p. 47. (Java, error = Borneo.)

*Ramphalcyon capensis innominata* van Oort, Notes Leyden Mus., **32**, 1910, p. 126. (Southern and northeastern Borneo.)

Borneo.

***Pelargopsis capensis gouldi* Sharpe**

*Pelargopsis gouldi* Sharpe, Proc. Zool. Soc. London, 1870, p. 62 (in key), p. 63. (Manila, Luzon, Philippine Islands.)

Philippine Islands: Luzon (except southeastern), Polillo, Lubang, Mindoro, Calamianes, Palawan and Balabac.

***Pelargopsis capensis smithi* (Mearns)**

*Ramphalcyon capensis smithi* Mearns, Proc. U. S. Nat. Mus., **36**, 1909, p. 466. (Dumurug Point, Masbate, Philippine Islands.)

Philippine Islands: southeastern Luzon, Masbate, Panay, Negros.

***Pelargopsis capensis gigantea* Walden**

*Pelargopsis gigantea* Walden, Ann. and Mag. Nat. Hist. (4), **13**, 1874, p. 123. (Salok, Sulu Islands.)

Philippine Islands: islands south and east of Cebu and Samar inclusive, the Basilan group and the Sulu Archipelago.

***Pelargopsis melanorhyncha melanorhyncha* (Temminck)**

*Alcedo melanorhyncha* Temminck, Pl. col., livr. 66, 1826, pl. 391. (Celebes.)

Northern, north-central and southeastern Celebes.

***Pelargopsis melanorhyncha dichrorhyncha* Meyer and Wigglesworth**

*Pelargopsis dichrorhyncha* Meyer and Wigglesworth, Abh. Ber. Mus. Dresden, **6**, 1896-97 (1896), no. 2, p. 12. (Islands of Peling and Banggai.)

Islands of Peling and Banggai.

***Pelargopsis melanorhyncha eutreptorhyncha* Hartert**

*Pelargopsis melanorhyncha eutreptorhyncha* Hartert, Nov. Zool., **5**, 1898, p. 128. (Sula Mangoli Island, Sula Islands.)

Sula Islands.



GENUS **LACEDO** REICHENBACH<sup>1</sup>

*Lacedo* Reichenbach, Handb. spec. Orn., 1851, p. 41. Type, by subsequent designation, *Dacelo pulchella* Horsfield. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 16).

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 279-281.  
Chasen, Bull. Raffles Mus., no. 11, 1935, p. 102.

***Lacedo pulchella amabilis* (Hume)**

*Carcineutes amabilis* Anonymous = Hume, Stray Feathers, 1, 1873, p. 474. (Eastern Pegu Hills in the latitude of Thayetmyo.)

Peninsular Burma, Siam, southern and central Annam, Cochinchina.

***Lacedo pulchella pulchella* (Horsfield)**

*Dacelo pulchella* Horsfield, Trans. Linn. Soc. London, 13, pt. 1, 1821, p. 175. (Java.)

Malay States, Sumatra, Rhio Archipelago, Java, North Natuna Islands.

***Lacedo pulchella melanops* (Bonaparte)**

*Halcyon (Paralcyon) melanops* "Temm." Bonaparte, Consp. Av., 1, 1850, p. 154. (Borneo.)

Banka and Borneo.

GENUS **DACELO** LEACH

*Dacelo* Leach, Zool. Misc., 2, 1815, p. 125. Type, by monotypy, *Alcedo gigantea* Latham = *Alcedo novaeguineae* Hermann.

*Sauromarptis* Cabanis and Heine, Mus. Hein., Th. 2, 1860, p. 163.

Type, by monotypy, *Dacelo gaudichaud* Quoy and Gaimard.

cf. Mathews, Bds. Austr., 7, 1918, p. 115-140.

Mayr, List New Guinea Bds., 1941, p. 89-90.

***Dacelo novaeguineae minor* Robinson**

*Dacelo gigas minor* Robinson, Bull. Liverpool Mus., 2, 1900, p. 116. (Cooktown, Queensland.)

*Dacelo gigas mclennani* North, Agri. Gazette New South Wales, 22, 1911, p. 609. (Cape York, Queensland.)

*Dacelo gigas watsoni* Mathews, Austr. Av. Rec., 3, 1917, p. 70. (Watson River, Queensland.)

Cape York Peninsula.

<sup>1</sup> Replaces *Carcineutes* Cabanis and Heine, 1860, of Sharpe's Hand-list.

**Dacelo novaeguineae novaeguineae** (Hermann)

*Alcedo novæ Guineæ* Hermann, Tabl. Affin. Anim., 1783, p. 192, note.  
(New Guinea, *ex* Daubenton, Pl. enlum, pl. 663 = New South  
Wales *apud* Mathews.)<sup>1</sup>

*Dacelo gigas tregellasi* Mathews, Nov. Zool., 18, 1912, p. 287. (Victoria, type from Olinda.)

Queensland (except Cape York Peninsula), New South Wales, Victoria and South Australia; introduced into West Australia and Tasmania.

**Dacelo leachii superflua** Mathews

*Dacelo leachii superfluus* Mathews, Bds. Austr., 7, 1918, p. 140.  
(Mimika River, New Guinea.)

Southern New Guinea from the Mimika River eastward to the Merauke district.

**Dacelo leachii intermedia** Salvadori

*Dacelo intermedius* Salvadori, Ann. Mus. Civ. Genova, 9, 1876, p. 21.  
(Hall Sound, New Guinea.)

Southeastern New Guinea between the Oriomo River and the Port Moresby district.

**Dacelo leachii occidentalis** Gould

*Dacelo occidentalis* Gould, Proc. Zool. Soc. London, 1869 (1870),  
p. 602. (North-West Australia.)

*Dacelo leachii mungi* Mathews, Nov. Zool., 18, Jan., 1912, p. 287.  
(Mungi, North-West Australia.)

*Dacelo leachii cliftoni* Mathews, Austr. Av. Rec., 1, April, 1912, p. 37.  
(Carnovan, West Australia.)

West and North-West Australia.

**Dacelo leachii cervina** Gould

*Dacelo cervina* Gould, Bds. Austr. and adj. Ids., pt. 2, 1838, pl. 2.  
(Port Essington, Northern Territory.)

*Dacelo leachii nana* Mathews, Austr. Av. Rec., 1, April, 1912, p. 37.  
(Melville Island.)

*Dacelo leachii kemp* Mathews, Austr. Av. Rec., 1, Sept., 1912, p. 89.  
(Cape York, Queensland.)

*Dacelo leachii macarthuri* Mathews, Bds. Austr., 7, 1918, p. 140.  
(Borrooloola, Macarthur River, Northern Territory.)

Melville Island, Northern Territory and the Cape York Peninsula.

<sup>1</sup> Replaces *Alcedo gigas* Boddaert, Dec. 1783. See Stresemann, Nov. Zool., 27, 1920, p. 330.

**Dacelo leachii leachii** Vigors and Horsfield

*Dacelo leachii* Lath. MSS., Vigors and Horsfield, Trans. Linn. Soc. London, 15, pt. 1, 1826, p. 205. (East Coast of Australia: Keppel Bay, Shoalwater Bay, Broad Sound.)

Queensland (except Cape York Peninsula).

**Dacelo tyro archboldi** (Rand)

*Sauromarptis tyro archboldi* Rand, Am. Mus. Novit., no. 990, 1938, p. 13. (Tarara, Wassi Kussa River, New Guinea.)

Southern New Guinea between the Morehead and the Wassi Kussa Rivers.

**Dacelo tyro tyro** G. R. Gray

*Dacelo tyro* G. R. Gray, Proc. Zool. Soc. London, pt. 26, 1858, p. 171, pl. 133. (Aru Islands.)

Aru Islands.

**Dacelo gaudichaud** Quoy and Gaimard

*Dacelo Gaudichaud* Quoy and Gaimard, Voy. 'Uranie,' Zool., 1, 1824, p. 112, pl. 25.<sup>1</sup> (Papuan Islands, restricted to Waigeu by Mayr, *loc. cit.*, p. 89.)

Western Papuan Islands: Misol, Salawatti, Gebe, Batanta and Waigeu; islands in Geelvink Bay: Mios Nom and Jobi; Heath Island; all New Guinea; Aru Islands.

GENUS **CLYTOCEYX** SHARPE

*Clytoceyx* Sharpe, Ann. and Mag. Nat. Hist. (5), 6, 1880, p. 231.

Type, by original designation and monotypy, *Clytoceyx rex* Sharpe. *cf.* Mayr, List New Guinea Bds., 1941, p. 89.

**Clytoceyx rex rex** Sharpe

*Clytoceyx rex* Sharpe, Ann. and Mag. Nat. Hist. (5), 6, 1880, p. 231. (East Cape, New Guinea.)

*Clytoceyx rex septentrionalis* Paludan, Orn. Monatsb., 43, 1935, p. 54. (2 Station, Sepik River, New Guinea.)

New Guinea from the Mamberano River on the north and the upper Fly River on the south, eastward.

**Clytoceyx rex imperator** Van Oort

*Clytoceyx rex imperator* Van Oort, Nova Guinea, 9 (Zool), 1909, p. 79. (Alkmaar, Noord River, New Guinea.)

Known only from the type locality at the base of the Hellwig Mts.

<sup>1</sup> Erroneously referred to pl. 15.

GENUS **MELIDORA** LESSON

*Melidora* Lesson, *Traité d'Orn.*, livr. 4, 1830, p. 249. Type, by monotypy, *Melidora euprosiae* Lesson = *Dacelo macrorrhinus* Lesson.

cf. Mayr, *List New Guinea Bds.*, 1941, p. 88.

**Melidora macrorrhina waigiensis** Hartert

*Melidora macrorrhina waigiensis* Hartert, *Nov. Zool.*, **36**, 1930, p. 99.  
(Waigeu.)

Island of Waigeu.

**Melidora macrorrhina macrorrhina** (Lesson)

*Dacelo macrorrhinus* Lesson, *Bull. Univ. des Sci. et de l' Ind.*, Sect. 2, *Sci. Nat. et Geol.*, **12**, 1827, p. 131. (Dorey Harbor, New Guinea.)

Misol, Salawatti and Batanta; all New Guinea except the range occupied by *M. m. jobiensis*; Goodenough Island (?).

**Melidora macrorrhina jobiensis** Salvadori

*Melidora jobiensis* Salvadori, *Mem. R. Accad. Sci. Torino* (2), **33**, 1880 [= *Orn. Pap. e delle Mol.* **1**], p. 502. (Ansus, Jobi.)

Island of Jobi and northern New Guinea between the southern shore of Geelvink Bay and Astrolabe Bay.

GENUS **CITTURA** KAUP

*Cittura* Kaup, *Verh. naturhist. Ver. Grossherz. Hessen*, Heft 2, 1848, p. 68, in text. Type, by original designation, *Dacelo cyanotis* Temminck..

cf. Stresemann, *Journ. f. Orn.*, **88**, 1940, p. 418-420.

**Cittura cyanotis sanghirensis** Sharpe

*Cittura sanghirensis* Sharpe, *Proc. Zool. Soc. London*, 1868, p. 270, pl. 27. (Sangi Islands.)

Sangi Islands: Great Sangi, Siao.

**Cittura cyanotis cyanotis** (Temminck)

*Dacelo cyanotis* Temminck, *Pl. col.*, livr. 44, 1824, pl. 262. (Sumatra, error = Celebes.)

Northern Celebes.

**Cittura cyanotis modesta** Stresemann

*Cittura cyanotis modesta* Stresemann, *Orn. Monatsb.*, **46**, 1938, p. 47.  
(Tanke Salokko, 300 metres, Mengkoka Mountains, Celebes.)

Eastern and southeastern Celebes.

GENUS **HALCYON**<sup>1</sup> SWAINSON

*Halcyon* Swainson, Zool. Illustr., **1**, 1820–21 (1821), text to pl. 27.

Type, by original designation, *Alcedo senegalensis* Linné.

*Lazulena* Mathews, Bds. Austr., **7**, 1918, p. 105–114; 141, 155.

Type, by original designation *L. macleayi* = *Halcyon macleayi* Jardine and Selby.

*Dacelalcyon* Mathews, Bds. Austr., **7**, 1918, p. 117. Type, by monotypy, *Dacelalcyon confusus* Mathews.

*Halcyonopa* Mathews (subgenus), Bds. Austr., **7**, 1918, p. 149.

Type, by original designation, *Halcyon dryas* Hartlaub.

*Chelicutona* Mathews, Bds. Austr., **7**, 1918, p. 150. Type, by monotypy, *Alcedo albiventris* Scopoli.

*Plesialcyon* Mathews, Bds. Austr., **7**, 1918, p. 152. Type, by original designation, *Alcedo smyrnensis* Linné.

*Nutchera* Mathews, Bds. Austr., **7**, 1918, p. 153. Type, by monotypy, *Halcyon badia* J. and E. Verreaux.

*Cecilia* Mathews, Bds. Austr., **7**, 1918, p. 153. Type, by monotypy, *Alcedo pileata* Boddaert. Not *Cecilia* Rafinesque, 1815.

*Ceciliella* Strand, Arch. f. Naturg. **92**, Abth. A, 1928, Heft 8, p. 57. New name for *Cecilia* Mathews, preoccupied.

*Antisyma* Mathews, Bds. Austr., **7**, 1918, p. 154. Type, by original designation, *Alcedo australasia* Vieillot.

*Hyposyma* Mathews, Bds. Austr., **7**, 1918, p. 154. Type by original designation, *Halcyon cinnamomina* Swainson.

*Dialazula* Mathews, Bds. Austr., **7**, 1918, p. 155. Type, by original designation, *Halcyon nigrocyanea* Wallace.

*Dialazulena* Mathews (subgenus), Bds. Austr., **7**, 1918, p. 155. Type, by original designation and monotypy, *Halcyon winchelli* Sharpe.

*Leucalcyon* Mathews (subgenus), Bds. Austr., **7**, 1918, p. 156. Type, by original designation, *Halcyon saurophaga* Gould.

*Melanalcyon* Mathews, Bds. Austr., **7**, 1918, p. 156. Type, by original designation and monotypy, *Todirhamphus funebris* Bonaparte.

*Todalcyon* Mathews, Bds. Austr., **7**, 1918, p. 158. Type, by monotypy and original designation, *Todirhamphus recurvirostris* Lafresnaye.

*Pseudhalcyon* Roberts, Ann. Transvaal Mus., **8**, 1922, p. 213. Type, by original designation, *Halcyon leucocephala* P. L. S. Müller.

<sup>1</sup> Includes *Todirhamphus* Lesson, 1827, *Syma* Lesson, 1827 and *Monachalcyon* Reichenbach, 1851, of Sharpe's Hand-list. The genus *Halcyon* in the broad sense in which it is used here has many synonyms proposed prior to 1900; those proposed since are listed herewith as usual.

*Sauropatoides* Laubmann (subgenus), Anz. Orn. Ges. Bayern, **1**, 1926, p. 98. Type, by original designation, *Alcedo venerata* Gmelin.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 267-274. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 262-281.

Berlioz, Compte Rend. IX Congr. Orn. Internat., 1939, p. 87-91 (Todirhamphus group).

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 267-283.

Chasen, Bull. Raffles Mus., no. 11, 1935, p. 102-104.

Hachisuka, Bds. Phil. Ids., **2**, 1934, p. 138-147.

Hartert, Nov. Zool., **33**, 1926, p. 132-134; **36**, 1930, p. 97-98 (Syma).

Hand-List Jap. Bds., 3rd and rev. ed., 1942, p. 85; 200-201.

Laubmann, Verh. Orn. Ges. Bayern, **15**, 1923, p. 315-320 (*quadricolor* group).

Id., Anz. Orn. Ges. Bayern, **2**, 1926, p. 98 (Todirhamphus group).

Mathews, Bds. Austr., **7**, 1918, p. 141-162.

Mayr, Am. Mus. Novit., no. 469, 1931, p. 1-10; no. 1152, 1941, p. 1-3.

Id., List New Guinea Bds., 1941, p. 87-98; p. 90-91 (Syma).

Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 639-657 (races of *coromanda*); **55**, 1919, p. 351-395 (races of *chloris*).

Stresemann, Journ. f. Orn., **88**, 1940, p. 412-418. (Celebes forms).

### ***Halcyon coromanda major* (Temminck and Schlegel)**

*Alcedo (Halcyon) coromanda major* Temminck and Schlegel, in Siebold's Fauna Jap., Aves, 1848, p. 75, pl. 39. (Japan.)

Breeds in Korea and on Hokkaido and Hondo; migrant in north-eastern China. Recorded from the other Japanese Islands and as a winter visitor to Formosa, the Philippines and Celebes.

### ***Halcyon coromanda coromanda* (Latham)**

*Alcedo coromanda* Latham, Index Orn., **1**, 1790, p. 252. (Coromandel, India.)<sup>1</sup>

Nepal, Sikkim and eastern Assam south through Burma and the Malay Peninsula to Johore; southeastern China, Siam, CochinChina, northeastern Sumatra.

### ***Halcyon coromanda mizorhina* (Oberholser)**

*Entomothera coromanda mizorhina* Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 645. (North Andaman Island.)

Andaman, and probably also the Nicobar Islands.

<sup>1</sup> Oberholser, *antea*, 1915, p. 643, fixes Rangoon, Pegu, as the type locality; Whistler and Kinnear however (Journ. Bombay Nat. Hist. Soc., **37**, 1935, p. 763) record a recent specimen from 16 miles south of Madras, India.

**Halcyon coromanda minor** (Temminck and Schlegel)

*Alcedo (Halcyon) coromanda minor* Temminck and Schlegel, in Siebold's Fauna Jap., Aves, 1848, p. 76. (Borneo and Sumatra, restricted to Pontianak, Borneo, by Oberholser, *antea*, 1915, p. 649.)

*Entomothera coromanda neophora* Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 646. (Tapanuli Bay, Sumatra.)

*Entomothera coromanda pagana* Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 648. (North Pagi Islands.)

Southern Malay Peninsula, Tioman Archipelago? southern and western Sumatra, Rhio Archipelago, Mentawi Islands, Java, Banka, Billiton, Borneo.

**Halcyon coromanda bangsi** (Oberholser)

*Entomothera coromanda bangsi* Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 652. (Yaeyama, Ishigaki Island, Riu Kiu Islands.)

Riu Kiu Islands; Formosa; Philippine Islands: Batan, Calayan, Camiguin North, Luzon, Mindoro, Palawan.

**Halcyon coromanda ochrothorectis** (Oberholser)

*Entomothera coromanda ochrothorectis* Oberholser, Proc. U. S. Nat. Mus., **48**, 1915, p. 652. (Palanoc, Masbate, Philippine Islands.)

Philippines: Sibuyan, Masbate, Guimaras, Mindanao, Basilan, Tawi Tawi.

**Halcyon coromanda pelingensis** Neumann

*Halcyon coromanda pelingensis* Neumann, Bull. Brit. Orn. Cl., **59**, 1939, p. 107. (Peling Island.)

Peling Island; the populations of Celebes, Togian Islands, Talaut Islands, Sangi Islands and islands of Talissi and Lembeh are probably referable here.

**Halcyon coromanda rufa** Wallace

*Halcyon rufa* Wallace, Proc. Zool. Soc. London, 1862 (1863), p. 338. (Celebes and Sula Islands; the type in the British Museum was collected by Allen either on Mangoli or Besi, *vide* O. Neumann, *in litt.*)

Sula Islands.

**Halcyon badia lopezi** Boyd Alexander

*Halcyon lopezi* Boyd Alexander, Bull. Brit. Orn. Cl., **13**, 1903, p. 33. (Sipopo, Fernando Po.)

Island of Fernando Po.

**Halcyon badia badia** Verreaux and Verreaux

*Halcyon (Cancrophaga) badia* J. and E. Verreaux, Rev. et Mag. Zool. (2), **3**, 1851, p. 264. (Gaboön.)

Liberia eastward across the Equatorial forest region to the Uelle district and the Semliki River, south to the Loango Coast and the Kasai.

**?Halcyon badia budongensis** van Someren

*Halcyon badia budongensis* van Someren, Bull. Brit. Orn. Cl., **40**, 1919, p. 28. (Bugoma Forest, Uganda.)

Forests of western and central Uganda. Doubtfully distinct from *H. b. badia*.

**Halcyon smyrnensis smyrnensis** (Linné)

*Alcedo smyrnensis* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 116. (Africa and Asia = Smyrna, *ex* Albin.)

*Halcyon smyrnensis zugmayeri* Laubmann and Götz, Verh. Orn. Ges. Bayern, **17**, 1926, p. 43. (Las Bela, Baluchistan.)

Asia Minor, Iraq, Iran, Baluchistan and northern India, south to Arabia and southern India (except area occupied by *H. s. fusca*).

**Halcyon smyrnensis fusca** (Boddaert)

*Alcedo fusca* Boddaert, Table Pl. enlum., 1783, p. 54. (Malabar Coast, *ex* Daubenton, Pl. enlum. no. 894.)

*Halcyon perpulchra* Madarász, Ann. Mus. Nat. Hungarici, **2**, 1904, p. 85. (Singapore.)

*Halcyon generosa* Madarász, Ann. Mus. Nat. Hungarici, **2**, 1904, p. 85. (Ceylon.)

Western India from Coorg to Cape Cormorin; Ceylon, Burma, Malay Peninsula, Siam, Indochina; Island of Hainan.

**Halcyon smyrnensis saturator** Hume

*Halcyon saturator* Hume, Stray Feath., **2**, 1874, p. 168, in text, p. 531. (Andaman Islands.)

Andaman Islands.

**?Halcyon smyrnensis fokiensis** Laubmann and Götz

*Halcyon (Entomobia) smyrnensis fokiensis* Laubmann and Götz, Verh. Orn. Ges. Bayern, **17**, 1926, p. 42. (Foochow, Fohkien.)

Southern and eastern China (including southeastern Yunnan); Island of Formosa. Doubtfully distinct from *H. s. fusca*.

**Halcyon smyrnensis gularis** (Kuhl)

*Alcedo Gularis* Kuhl, Buffoni et Daubentoni Fig. Av. Col. Nom. Syst., 1820, p. 4. (Madagascar, *ex* Pl. col., no. 232, error = Philippine Islands.)

Philippine Islands generally.



**Halcyon pileata** (Boddaert)

*Alcedo pileata* Boddaert, Table Pl. enlum., 1783, p. 41. (China, *ex* Daubenton, Pl. enlum., no. 673.)

*Halcyon pileata palawanensis* Hachisuka, Bds. Phil. Ids., pt. 3, 1934, p. 142. (Palawan, Philippine Islands.)

India, Assam, China (north to Kansu, Shansi and Chihli) and Korea, south to the Malay Peninsula, Siam and Indochina; Ceylon; Andaman and Nicobar Islands; Riu Kiu Islands (apparently absent from Formosa), Hainan, Philippines (Palawan, Balabac, Basilan, Tawi Tawi); North Natuna Islands, Borneo, Sumatra, Rhio Archipelago, Simalur, Pagi Islands; Celebes (winter only). Migratory in the northern part of its range; southern breeding limits not definitely known but eggs have been taken as far south as Tenasserim and central Siam.

**Halcyon cyanoventris** Vieillot

*Halcyon cyanoventris* Vieillot, Nouv. Dict. Hist. Nat., **19**, 1818, p. 412. (Java.)

Java and Bali.

**Halcyon leucocephala acteon** (Lesson)

*Dacelo Acteon* Lesson, Traité d'Orn., livr. 4, 1830, p. 247. (No locality = Sãotiago, Cape Verde Islands.)

Cape Verde Islands: Sãotiago, Fogo, Brava.

**Halcyon leucocephala leucocephala** (P. L. S. Müller)

*Alcedo leucocephala* P. L. S. Müller, Natursyst., suppl., 1776, p. 94. (Senegal.)

Senegal eastward across the Sudan to Ethiopia and Somaliland, south to Cameroon, northern Congo and Lake Edward.

**Halcyon leucocephala semicaerulea** (Gmelin)

*Alcedo semicaerulea* Gmelin, Syst. Nat., **1**, pt. 1, 1788, p. 457. (Yemen, Arabia.)<sup>1</sup>

Yemen and the Aden Protectorate.

**Halcyon leucocephala centralis** Neumann

*Halcyon semicaeruleus centralis* Neumann, Journ. f. Orn., **53**, 1905, p. 189. (Bussisi, southern shore of Lake Victoria.)

*Halcyon leucocephala ugandae* van Someren, Nov. Zool., **29**, 1922, p. 77. (Kisumu, Tanganyika Territory.)

Interior of East Africa from Lake Rudolph, to Lake Manyara in Tanganyika Territory, and west to the country near Lake Kivu.

<sup>1</sup> Gmelin's name is not affected by *Alcedo semicaerulea* Forskål, a non-binomial author.

***Halcyon leucocephala hyacinthina* Reichenow**

*Halcyon semicaerulea hyacinthina* Reichenow, Journ. f. Orn., **48**, 1900, p. 249. (Zanzibar and Uzigua.)

Coastlands of East Africa from Lamu to Lake Nyasa and southward over Mozambique.

***Halcyon leucocephala pallidiventris* Cabanis**

*Halcyon swainsoni* of authors, not of A. Smith, 1834.

*Halcyon pallidiventris* Cabanis Journ. f. Orn., **28**, 1880, p. 349. (Angola.)

*Halcyon leucocephala ogilviei* C. H. B. Grant, Bull. Brit. Orn. Cl., **35**, 1914, p. 28. (Southern Angoniland.)

*Halcyon pallidiventris kivuensis* van Someren, Nov. Zool., **29**, 1922, p. 77. *Nomen nudum*. Cited in synonymy of *Halcyon leucocephala pallidiventris* Cabanis by Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 276.

Africa from the southern border of the Congo forest (also the northern border of the Congo forest in the Uelle district) to Damaraland and the Vaal River.

***Halcyon senegalensis fuscopileus* Reichenow**

*Halcyon senegalensis fuscopileus* Reichenow, Orn. Monatsb., **14**, 1906, p. 171. (Jaundi and Bipindi, Cameroon.)

West Africa (chiefly in the heavy forest) from Sierra Leone and Liberia to southern Nigeria, and from southern Cameroon eastward to the Semliki Valley and south to northern Angola and the Kasai.

***Halcyon senegalensis senegalensis* (Linné)**

*Alcedo senegalensis* Linné, Syst. Nat., ed. 12, **1**, 1766, p. 180. (Senegal.)

*Halcyon senegalensis cinereicapillus* Mearns, Proc. U. S. Nat. Mus., **48**, 1915, p. 391. (Kisingo, between Kutwi and Kigomma, Uganda.)

Africa south of the Sahara (generally absent from the heavy forest) east to Ethiopia and south to central Angola, the lower Katanga, eastern Congo border and western Kenya Colony. Certain areas in the range of this form are occupied by *H. s. fuscopileus*.

***Halcyon senegalensis cyanoleuca* (Vieillot)**

*Alcedo cyanoleuca* Vieillot, Nouv. Dict. Hist. Nat., **19**, 1818, p. 401. (Angola.)

*Halcyon senegalensis superflua* C. H. B. Grant, Bull. Brit. Orn. Cl., **35**, 1914, p. 28. (Limpopo River, Transvaal.)

Southern Angola, upper Katanga and Nyasaland to the Transvaal.

***Halcyon senegaloides ranivora* R. Meinertzhagen**

*Halcyon senegalensis ranivorus* R. Meinertzhagen, Bull. Brit. Orn. Cl., **44**, 1924, p. 44. (Pangani River, Tanganyika Territory.)

Coastlands of East Africa from the Juba River to Dar es Salaam; islands of Manda, Pemba, Zanzibar and Mafia.

***Halcyon senegaloides senegaloides* A. Smith**

*Halcyon Senegaloides* A. Smith, S. Afr. Quart. Journ. (2), no. 2, 1834, p. 144. (Country about Port Natal.)<sup>1</sup>

Coastlands of southeastern Africa from Mozambique to Natal.

***Halcyon malimbica fortis* Reichenow**

*Halcyon fortis* Reichenow, Orn. Monatsb., **1**, 1893, p. 202. (Senegal.) Senegal.

***Halcyon malimbica torquata* Swainson**

*Halcyon torquatus* Swainson, Bds. West. Afr., **2**, 1837, p. 99. (British Gambia.)

Gambia, Casamance and Portuguese Guinea.

***Halcyon malimbica forbesi* Sharpe**

*Halcyon forbesi* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 247, pl. 6, f. 2. (Shonga, Niger River.)

? *Halcyon torquatus pontyi* Millet-Horsin, Rev. Franç. d'Orn., **7**, 1921, p. 178. (Togo and Dahomey.)<sup>2</sup>

Upper Guinea from Sierra Leone to Cameroon Mountain.

***Halcyon malimbica dryas* Hartlaub**

*Halcyon Dryas* Hartlaub, Journ. f. Orn., **2**, 1854, p. 2. (Príncipe Island and São Tomé.)

Príncipe Island; records from Fernando Po and São Tomé require confirmation.

***Halcyon malimbica malimbica* (Shaw)**

*Alcedo Malimbica* Shaw, General Zool., **8**, pt. 1, 1811, p. 66. (Malimba, Portuguese Congo.)

Southern Cameroon to Angola, east to the lower Uelle district.

***Halcyon malimbica prenticei* Mearns**

*Halcyon malimbicus prenticei* Mearns, Proc. U. S. Nat. Mus., **48**, 1915, p. 392. (Sesse Islands, Lake Victoria.)

Bahr el Ghazal and eastern Congo forests south at least to Rutshuru, Uganda and Lake Victoria.

<sup>1</sup> Replaces *Halcyon irroratus* Reichenbach, 1851, of Sharpe's Hand-list.

<sup>2</sup> See Bannerman, Ibis, 1923, p. 737, for discussion of the possible identity of this name.

***Halcyon albiventris erlangeri* Neumann**

*Halcyon albiventris erlangeri* Neumann, Bull. Brit. Orn. Cl., **21**, 1908, p. 71. (Bardera, Somaliland.)

Southern Somaliland and coastal region of northern Kenya Colony.

***Halcyon albiventris orientalis* Peters**

*Halcyon orientalis* Peters, Journ. f. Orn., **16**, 1868, p. 134. (Inham-bane, Mozambique.)

*Halcyon albiventris prentissgrayi* Bowen, Proc. Acad. Nat. Sci. Phila., **81**, 1929 (1930), p. 627. (Forest above Meru, 5750 feet, Kenya Colony.)

Southern Gaboon, the Kasai, Lake Tanganyika and the Tana River south to Angola, Bechuanaland and Mozambique.

***Halcyon albiventris albiventris* (Scopoli)**

*Alcedo albiventris* Scopoli, Del. Flor et Faun. Insubr., fasc. 2, 1786, p. 90. ("In nova Guiana" based on "Martin Pecheur de l'Isle de Luçon" of Sonnerat, Voy. Nouv. Guinée, p. 64, pl. 31 = Cape of Good Hope.)

Southern Rhodesia to eastern Cape Province.

***Halcyon chelicuti eremogiton* Hartert**

*Halcyon chelicuti eremogiton* Hartert, Nov. Zool., **28**, 1921, p. 106. (Zinder, southern Sahara.)

Southern Sahara from Zinder eastward to the White Nile near Kodok.

***Halcyon chelicuti chelicuti* (Stanley)**

*Alaudo* [sic] *Chelicuti* Anonymous = Stanley, in Salt's Voyage to Abyssinia, 1814, App. IV, p. lvi. (Chelicut, Ethiopia.)

*Halcyon chelicuti hylobius* Grote, Journ. f. Orn., **73**, 1925, p. 90. (Chinchoxo, Loango Coast.)

*Halcyon chelicuti phaethon* Stoneham, Bateleur, **2**, 1930, p. 50. (Kitgum, Uganda Protectorate.)

*Halcyon chelicuti zinjense* Stoneham, Bateleur, **2**, 1930, p. 51. (Dar es Salaam, Tanganyika Territory.)

Senegal, the Sudan and Ethiopia, south to northern Angola, southern Congo and the Zambesi River; islands of Zanzibar and Mafia. Absent from the heavily forested regions.

***Halcyon chelicuti damarensis* Strickland**

*Halcyon damarensis* Strickland, in Jardine's Contr. Orn., 1852, p. 153. (Damaraland.)

Southern Angola (probably), Damaraland and southern Mozambique to the Orange and Vaal Rivers.

**Halcyon nigrocyanea nigrocyanea** Wallace

*Halcyon nigrocyanea* Wallace, Proc. Zool. Soc. London, 1862, p. 165, pl. 19 ♀. (Northwest peninsula of New Guinea = Manokwari.)

Salawatti, Batanta; western New Guinea east to the head of Geelvink Bay on the north and to Princess Marianne Straits on the south.

**Halcyon nigrocyanea quadricolor** (Oustalet)

*Cyanalcyon quadricolor* Oustalet, Le Naturaliste **2**, no. 41, 1880, p. 323. (North coast of New Guinea between long. 136° 31' and 137° E.)

Island of Jobi; northern New Guinea between the east shore of Geelvink Bay and Astrolabe Bay.

**Halcyon nigrocyanea stictolaema** (Salvadori)

*Cyanalcyon stictolaema* Salvadori, Ann. Mus. Civ. Genova, **9**, 1876, p. 20. (Upper Fly River, New Guinea.)

Southern New Guinea from the Fly River to Mount Cameron.

**?Halcyon winchelli nigrorum** Hachisuka

*Halcyon winchelli nigrorum* Hachisuka, Bds. Phil. Ids., pt. 3, 1934, p. 142. (Canloan Volcano, Negros.)

Philippine Islands: Negros. Doubtfully distinct.

**Halcyon winchelli winchelli** Sharpe

*Halcyon Winchelli* Sharpe, Trans. Linn. Soc. London (2), **1**, 1877, p. 318, pl. 47.<sup>1</sup> (Isabella, Basilan.)

Philippine Islands: Tablas, Romblon, Sibuyan, Samar, Cebu, Bohol, Siquijor, Mindanao, Basilan, Sulu Archipelago.

**Halcyon (diops) diops** (Temminck)

*Alcedo diops* Temminck, Pl. col., livr. 46, 1824, pl. 272. (Amboina Timor and Celebes; error, I designate Ternate.)

Northern Moluccas: Halmahera, Damar,<sup>2</sup> Ternate, Batjan, Morotai, Tidore, Moti, Obilatu.

**Halcyon (diops) lazuli** (Temminck)

*Alcedo lazuli* Temminck, Pl. col., livr. 86, 1830, pl. 508. (Sumatra, error = Amboina.)

Southern Moluccas: Ceram, Amboina, Haruku.

**Halcyon macleayii elizabeth** (Heine)

*Cyanalcyon Elizabeth* Heine, Journ. f. Orn., **31**, 1883, p. 222. (South-western New Guinea, error = Astrolabe Bay.)

<sup>1</sup> The plate is lettered *Halcyon Winchellii*.

<sup>2</sup> Off the southern tip of Halmahera; not the island of the same name in the Lesser Sunda Chain.

Eastern New Guinea from Astrolabe Bay on the north and Hall Sound on the south, eastward.

**?*Halcyon macleayii insularis* Berlepsch**

*Halcyon macleayi insularis* Berlepsch, Abhandl. Senckenberg. Naturf. Ges., **34**, 1911, p. 75. (Terangan, Aru Islands.)

Aru Islands. Doubtfully distinct.

***Halcyon macleayii macleayii* Jardine and Selby**

*Halcyon Macleayii* Jardine and Selby, Illustr. Orn., **2** [1830], pl. 101 and text. (No locality, restricted to Port Essington, Northern Territory, by Berlepsch, Abhandl. Senckenberg. Naturf. Ges., **34**, 1911, p. 75.)

*Halcyon incinctus* Gould, Syn. Bds. Austr., pt. 4, 1838, App., p. 1. (New South Wales = Queensland.)

*Halcyon toriu* "O Meyer" W. Meyer, Orn. Monatsb., **17**, 1907, p. 34. (Toriu River, New Britain.)

*Halcyon barnardi* Campbell, Emu, **10**, 1911, p. 338. (Lockerbie, Cape York, Queensland.)

*Halcyon macleayii distinguendus* Mathews, Nov. Zool., **18**, Jan., 1912, p. 288. (South Alligator River, Northern Territory.)

*Halcyon macleayii publa* Mathews, Austr. Av. Rec., **1**, Apr., 1912, p. 38. (Melville Island.)

*Halcyon macleayi caeruleus* Ashby, South Austr. Orn., **1**, 1914, p. 20. (Anson Bay, Northern Territory.)

Northern and eastern Australia; on migration to Sermatta Island, the Kei Islands, eastern New Guinea, Fergusson Island, Woodlark Island, Trobriand Islands, Louisiade Archipelago and New Britain.

***Halcyon albonotata* Ramsay**

*Halcyon (Cyanalcyon) albonotata* Ramsay, Proc. Linn. Soc. New South Wales, **9**, 1885, p. 863. (New Britain.)

New Britain.

***Halcyon leucopygia* (J. Verreaux)**

*Cyanalcyon leucopygius* J. Verreaux, Rev. et Mag. Zool. (2), **10**, 1858, p. 305. (Solomon Islands.)

Solomon Islands: Bougainville, Shortland, Choiseul, Ysabel, Florida, Guadalcanal.

***Halcyon farquhari* Sharpe**

*Halcyon farquhari* Sharpe, Bull. Brit. Orn. Cl., **10**, 1899, p. xxix. (Malikolo and Espiritu Santo, New Hebrides.)

Central New Hebrides: Espiritu Santo, Malo, Malekula.

**Halcyon pyrrhopygia obscura** Mathews

*Halcyon pyrrhopygius obscurus* Mathews, Nov. Zool., **18**, Jan., 1912, p. 288. (North-West Australia, type from Parry's Creek.)

*Halcyon pyrrhopygius utingi* Mathews, Austr. Av. Rec., **1**, Dec., 1912, p. 118. (Cape York, Queensland.)

Mid- and North-West Australia, Northern Territory and northern Queensland.

**Halcyon pyrrhopygia pyrrhopygia** Gould

*Halcyon pyrrhopygia* Gould, Proc. Zool. Soc. London, pt. 8, 1840 (1841), p. 113. (Interior of New South Wales.)

Southern Queensland, New South Wales and northern Victoria.

**Halcyon torotoro torotoro** (Lesson)

*Syma torotoro* Lesson, Bull. Univ. Sci. et d'Industr., sect. 2, **11**, 1827, p. 443. (Dorey [now Manokwari] New Guinea.)

*Syma torotoro connectens* Mathews, Bds. Austr. **7**, 1918, p. 114. (Humboldt Bay, New Guinea.)

Western Papuan Islands: Misol, Salawatti, Batanta, Waigeu; Island of Jobi; New Guinea east on the north coast to Astrolabe Bay and on the south to Etna Bay.

**Halcyon torotoro tentelare** (Hartert)

*Syma torotoro tentelare* Hartert, Nov. Zool., **3**, 1896, p. 534. (Aru Islands.)

Aru Islands.

**Halcyon torotoro pseustes** (Mathews)

*Syma torotoro pseustes* Mathews, Bds. Austr., **7**, 1918, p. 113. (Lowlands of southwestern New Guinea; type from the Mimika River.)

Southern New Guinea between the Mimika River and the east bank of the Fly River, except the area occupied by *H. t. brevirostris*.

**Halcyon torotoro brevirostris** (Rand)

*Syma torotoro brevirostris* Rand, Am. Mus. Novit., no. 990, p. 12. (Tarara, Wassi Kussa River, New Guinea.)

Southern New Guinea between the Wassi Kussa and the Morehead Rivers.

**Halcyon torotoro meeki** (Rothschild and Hartert)

*Syma torotoro meeki* Rothschild and Hartert, Nov. Zool., **8**, 1901, p. 147. (Southeastern New Guinea between Huon Gulf and Brown River; type from Milne Bay.)

Southeastern New Guinea from the Huon Peninsula on the north and Hall Sound on the south, eastward.

**Halcyon torotoro flavirostris** Gould

*Halcyon (Syma?) flavirostris* Gould, in Jardine's Contr. Orn., 1850, p. 105. (Cape York.)

Cape York Peninsula.

**Halcyon torotoro ochracea** (Rothschild and Hartert)

*Syma torotoro ochracea* Rothschild and Hartert, Nov. Zool., 8, 1901, p. 148. (Goodenough Island.)

D'Entrecasteaux Archipelago.

**Halcyon megarhyncha wellsi** (Mathews)

*Syma torotoro wellsi* Mathews, Bds. Austr., 7, 1918, p. 113. (Upper Utaqua River, New Guinea.)

Mountains of central New Guinea: Weyland, Nassau and Orange ranges.

**Halcyon megarhyncha sellamontis** (Reichenow)

*Syma sellamontis* Reichenow, Journ. f. Orn., 67, 1919, p. 334. (Sattelberg, New Guinea.)

Mountains of the Huon Peninsula, New Guinea.

**Halcyon megarhyncha megarhyncha** (Salvadori)

*Syma megarhyncha* Salvadori, Ann. Mus. Civ. Genova, 36, 1896, p. 70. (Moroka, New Guinea.)

*Syma weiskei* Reichenow, Orn. Monatsb., 8, 1900, p. 186. (Astrolabe Mountains, 3000 feet, New Guinea.)

Mountains of southeastern New Guinea.

**Halcyon australasia australasia** (Vieillot)

*Alcedo australasia* Vieillot, Nouv. Dict. Hist. Nat., 19, 1818, p. 419. (No locality; Timor designated by Hellmayr, Avif. Timor, 1914, p. 68.)

Lesser Sunda Islands: Lombok, Sumba, Timor, Wetar.

**Halcyon australasia tringorum** Hellmayr

*Halcyon australasia tringorum* Hellmayr, Avif. Timor, 1914, p. 69. (Roma.)

Lesser Sunda Islands: Roma.

**Halcyon australasia dammeriana** Hartert

*Halcyon australasiae dammeriana* Hartert, Nov. Zool., 7, 1900, p. 19. (Damar.)

Lesser Sunda Islands: Damar, Babar.



***Halcyon australasia interposita* Hartert**

*Halcyon australasia interposita* Hartert, Nov. Zool., **11**, 1904, p. 196.  
(Moa.)

Lesser Sunda Islands: Leti, Moa.

***Halcyon australasia odites* nomen nov.**

*Sauropatis australasiae* var. *minor* A. B. Meyer, Zeitschr. Ges. Orn.,  
**1**, 1884, p. 196. (Timor Laut.) Not *Halcyon coromanda minor*  
Temminck and Schlegel, in Siebold's Fauna Jap., Aves, 1848, p. 76.  
Timorlaut.

**?*Halcyon sancta ruficollaris* (Bankier)**

*Alcyone ruficollaris* Bankier, Ann. and Mag. Nat. Hist., **6**, 1841,  
p. 394. (Port Essington, Northern Territory.)

*Sauropatis sanctus ramsayi* Mathews, Nov. Zool., **18**, 1912, p. 289.  
(Parry's Creek, North-West Australia.)

North-West Australia and Northern Territory.

**?*Halcyon sancta westralasiana* Campbell**

*Halcyon westralasianus* Campbell, Emu, **1**, 1901, p. 25. (Vasse,  
South-West Australia.)

South and Mid-West Australia.

***Halcyon sancta sancta* Vigors and Horsfield**

*Halcyon sanctus* Vigors and Horsfield, Trans. Linn. Soc. London,  
**15**, pt. 1, 1827, p. 206. (New Holland = New South Wales.)

*Halcyon sanctus confusus* Mathews, Nov. Zool., **18**, 1912, p. 289.  
(Cooktown, northern Queensland.)

Breeds in Queensland, New South Wales, Victoria, South Australia  
and Tasmania. On migration or in winter in northern Australia, New  
Guinea, Solomon Islands, Bismarck Archipelago, islands of St. Mat-  
thias, Feni and Nissan, Moluccas, Sula Islands, Celebes, Lesser Sunda  
Islands, eastern Sumatra, southern Borneo and the southern Philip-  
pines.

***Halcyon sancta vagans* (Lesson)**

*Alcedo vagans* Lesson, Voy 'Coquille,' Zool., **1**, 1826 (1830), p. 694.  
(Bay of Islands, North Island, New Zealand.)

*Sauropatis sanctus forsteri* Mathews and Iredale, Ibis, 1913, p. 429.  
(South Island, New Zealand.)

New Zealand: Three Kings, North Island, Little and Great Barrier  
Islands, Mayor Island, Kapiti, South Island, Stewart Island; Ker-  
madec Islands.

***Halcyon sancta norfolkiensis* Tristram**

*Halcyon norfolkiensis* Tristram, Ibis, 1885, p. 49. (Norfolk Island.)  
Norfolk Island.

***Halcyon sancta adamsi* (Mathews)**

*Saupopatis* [sic] *sanctus adamsi* Mathews, Austr. Av. Rec., **3**, 1916, p. 68. (Lord Howe Island.)

Lord Howe Island.<sup>1</sup>

***Halcyon sancta canacorum* (Brasil)**

*Sauropatis sancta canacorum* Brasil, Rev. Franç. d'Orn., **4**, 1916, p. 203. (New Caledonia.)

New Caledonia.

***Halcyon sancta macmillani* Mayr**

*Halcyon sancta macmillani* Mayr, Am. Mus. Novit., no. 1057, 1940, p. 2. (Mare Island, Loyalty Islands.)

Loyalty Islands: Mare, Lifu, Uvea.

***Halcyon cinnamomina pelewensis* Wigglesworth**

*Halcyon pelewensis* Wigglesworth, Abhandl. und Ber. Zool. Mus. Dresden, 1890-91 (1891), no. 6,<sup>2</sup> p. 15. (Palau Islands.) New name for *Halcyon reichenbachii* Hartlaub and Finsch, 1868, not of Hartlaub 1852.

Palau Islands: Babelthuap, Koror.

***Halcyon cinnamomina reichenbachii* (Hartlaub)**

*Todiramphus Reichenbachii* Hartlaub, Arch. f. Naturg., **18**, 1852, Bd. 1, p. 131. (Name for *Todiramphus cinnamomina* var. *Reichenbach*, Ponapé.)

*Halcyon mediocris* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 215 (in key), p. 260.<sup>3</sup> (Ponapé.)

Caroline Islands: Ponapé.

***Halcyon cinnamomina cinnamomina* Swainson**

*Halcyon cinnamomina* Swainson, Zool. Illustr., **2**, 1821-22 (1821), text to pl. 67. (No locality = Marianas Islands.)

*Halcyon rufigularis* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 215 (in key), p. 260, *ex* Monogr. Alced. pl. 80, central fig. (No type locality.) = ♀.

Marianas Islands: Guam.

***Halcyon funebris* (Bonaparte)**

*Todiramphus funebris* Bonaparte, Consp. Av., **1**, 1850, p. 157. (Celebes, *ex* Forsten MSS., error = Moluccas.)

Moluccas: Halmahera, Ternate.

<sup>1</sup> See Hindwood, Emu, **40**, 1940, p. 64.

<sup>2</sup> Often cited as "Aves Polynesiae".

<sup>3</sup> [*Halcyon cinnamominus*] Subsp. *b* *Halcyon mediocris*, p. 260.

***Halcyon chloris abyssinica* Pelzeln**

*Halcyon (Ceryle) abyssinica* "Lichtenstein" Pelzeln, Sitz. K. Akad. Wiss. Wien, Math.-Naturw. Cl., **20**, 1856, p. 500. (Ethiopia.)

Coasts of the Red Sea north to Suakin, and coasts of the west portion of the Gulf of Aden.

***Halcyon chloris vidali* Sharpe**

*Halcyon vidali* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 217 (in key),<sup>1</sup> p. 278. (Ratnagiri and Kelsi Creek, South Konkan, India.)

Ratnagiri district, Konkan, western India.

***Halcyon chloris davisoni* Sharpe**

*Halcyon davisoni* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 217 (in key), p. 282.<sup>2</sup> (Aberdeen, South Andaman.)

Andaman Islands.

***Halcyon chloris occipitalis* (Blyth)**

*Todiramphus occipitalis* Blyth, Journ. As. Soc. Bengal, **15**, 1846, p. 23, note; p. 51. (Nicobar Islands.)

Nicobar Islands.

***Halcyon chloris humii* Sharpe**

*Halcyon humii* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 217 (in key), p. 281, pl. 8. (Siam to the Malay Peninsula and Sumatra; type from Jaram, Selangor, Malay Peninsula, *fide* Oberholser *antea*, p. 373.)

Coasts of the northeastern district of Bengal, coasts of Burma, Malay Peninsula, Tioman Archipelago; northeastern Sumatra.

***Halcyon chloris armstrongi* Sharpe**

*Halcyon armstrongi* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 217 (in key), p. 277,<sup>3</sup> pl. 7, f. 1. (From the Sunderbunds to Burma, Tenasserim, and Siam south to the Malay Peninsula, Sumatra and northern Borneo. Type in the British Museum is from Siam, *fide* Oberholser, *antea*, p. 374.)

Central and southern Annam, Cochinchina and Siam.

***Halcyon chloris chloroptera* (Oberholser)**

*Sauropatis chloris chloroptera* Oberholser, Proc. U. S. Nat. Mus., **55**, 1919, p. 379. (Sibabo Bay, Simalur Island.)

*Sauropatis chloris amphiryla* Oberholser, Proc. U. S. Nat. Mus., **55**, 1919, p. 382. (Lafau, Nias Island.)

Simalur, Nias Island, Batu Islands, Siberut, Pagi, Islands.

<sup>1</sup> [*Halcyon chloris*] Subsp.  $\beta$  *Halcyon vidali*, p. 278.

<sup>2</sup> [*Halcyon humii*] Subsp.  $\beta$  *Halcyon davisoni*, p. 282.

<sup>3</sup> [*Halcyon chloris*] Subsp.  $\alpha$  *Halcyon armstrongi*, p. 277.

**Halcyon chloris azela** (Oberholser)

*Sauropatis chloris azela* Oberholser, Proc. U. S. Nat. Mus., 55, 1919, p. 377. (Enggano Island.)

Enggano Island.

**Halcyon chloris palmeri** (Oberholser)

*Sauropatis chloris palmeri* Oberholser, Proc. U. S. Nat. Mus., 55, 1919, p. 369. (Goenoeng Boender, 2400 feet, Mount Salak, Java.)

Java and Bali.

**Halcyon chloris laubmanniana** Grote

*Sauropatis chloris cyanescens* Oberholser, Proc. U. S. Nat. Mus., 52, 1917, p. 189. (Pulo Taya, off the southeastern coast of Sumatra.)  
Not *Halcyon cyanescens* Cabanis and Reichenow, 1877.

*Halcyon chloris laubmanniana* Grote, Anz. Orn. Ges. Bayern, 2, 1933, p. 266. New name for *Sauropatis chloris cyanescens* Oberholser, preoccupied.

Anamba Islands, North and South Natuna Islands, North Bornean Islands, Borneo, southeastern and southern Sumatra, Rhio and Lingga Archipelagos, Banka, Billiton.

**Halcyon chloris collaris** (Scopoli)

*Alcedo collaris* Scopoli, Del. Flor. et Faun. Insubr., fasc. 2, 1786, p. 90. (No locality = Philippine Islands, *ex* Sonnerat, Voy. Nouv. Guinée, p. 67, pl. 33; restricted to Manila, Island of Luzon, by Oberholser, *antea*, p. 361.)

Philippine Islands.

**?Halcyon chloris enigma** Hartert

*Halcyon enigma* Hartert, Nov. Zool., 11, 1904, p. 199. (Salibabu [or Lirung] Island, Talaut Islands.)

Talaut Islands. Doubtfully distinct from *H. c. chloris*.

**Halcyon chloris chloris** (Boddaert)

*Alcedo Chloris* Boddaert, Table Pl. enlum., 1783, p. 49. (Cape of Good Hope, *ex* Daubenton, Pl. enlum., pl. 783, f. 2, error = Buru.)

*Todiramphus forsteni* Bonaparte, Consp. Av., 1, 1850, p. 157 (*ex* *Halcyon forsteni* Temm. MS.). (Celebes, type from Gorontalo.)

*Halcyon meyeri* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 217 (in key), p. 282.<sup>1</sup> (Togian Islands.)

*Halcyon chloris keiensis* Berlepsch, Abhandl. Senckenberg. Naturf. Ges., 34, 1913, p. 494. (Warka, Great Kei Island.)

<sup>1</sup> [*Halcyon humii*] Subsp. *a* *Halcyon meyeri*, p. 282.

Celebes, Togian Islands, Sula Islands, the entire Lesser Sunda chain from Lombok eastward, the Moluccas, Tenimber Islands, Kei Islands, Western Papuan Islands, northwestern New Guinea (coasts of the Vogelkop and the Onin Peninsula).

***Halcyon chloris sordida* Gould**

*Halcyon sordidus* Gould, Proc. Zool. Soc. London, pt. 10, 1842, p. 72. (North coast of Australia = Cape York, by designation of Mathews, Nov. Zool., 18, 1912, p. 289.)

*Sauropatis Grayi* Cabanis and Heine, Mus. Hein., Th. 2, 1856-60 (1860), p. 159. New name for *Halcyon sordida* var. Gray (*nec* Gould), Proc. Zool. Soc. London, 1858, p. 172. (Aru Islands.)

*Halcyon chloris aruensis* Berlepsch, Abh. Senckenberg. Naturf. Ges., 34, 1911, p. 75. (Dobo, Aru Islands.)

*Halcyon sordidus cooktowni* Mathews, Nov. Zool., 18, Jan., 1912, p. 289. (Cooktown, Queensland.)

*Halcyon sordidus melvillensis* Mathews, Austr. Av. Rec., 1, Apr., 1912, p. 38. (Melville Island, Northern Territory.)

*Sauropatis chloris hyperpontia* Oberholser, Proc. U. S. Nat. Mus., 55, 1919, p. 386. (Havannah Harbor, Efate Island, New Hebrides, error = Cape York.)

Southern coast of New Guinea from the Mimika River to Milne Bay; Aru Islands; islands in Torres Straits; coast of northern Australia.

**?*Halcyon chloris colcloughi* (Mathews)**

*Sauropatis sordida colcloughi* Mathews, Bull. Brit. Orn. Cl., 36, 1916, p. 61. (Mud Island, near Brisbane, Queensland.)

Coast region of southeastern Queensland; doubtfully distinct from *H. c. sordida*.

***Halcyon chloris colona* Hartert**

*Halcyon sordidus colonus* Hartert, Nov. Zool., 3, 1896, p. 244. (Egum Group, Louisiade Archipelago.)

Islands off southeastern New Guinea: Egum group, Alcester group, Louisiade Archipelago.

***Halcyon chloris teraokai* Kuroda**

*Halcyon chloris teraokai* Kurodi, Tori, 1, 1915, p. 56. (Palau Islands.) Palau Islands: Babelthuap, Koror, Angaur.

***Halcyon chloris owstoni* Rothschild**

*Halcyon owstoni* Rothschild, Bull. Brit. Orn. Cl., 15, 1904, p. 6. (Ascuncion Island, Marianas Islands.)

Marianas Islands: Ascuncion, Pagan, Alamagan.

***Halcyon chloris albicilla* (Dumont)**

*Alcedo albicilla* Dumont, Dict. Sci. Nat., éd. Levrault, **29**, 1823, p. 273. (Marianas Islands.)

Marianas Islands: Saipan, Tinian.

***Halcyon chloris orii* Taka-Tsukasa and Momiyama**

*Halcyon chloris orii* Taka-Tsukasa and Momiyama, Dobuts. Zasshi, **43**, 1931, p. 484. (Rota Island, Marianas Islands.)

Marianas Islands: Rota.

***Halcyon chloris matthiae* Heinroth**

*Halcyon matthiae* Heinroth, Journ. f. Orn., **50**, 1902, p. 438, pl. 8, f. 1. (St. Matthias Island.)

St. Matthias and Squally Islands.

***Halcyon chloris stresemanni* (Laubmann)**

*Sauropatis (Sauropatis) chloris stresemanni* Laubmann, Verh. Orn. Ges. Bayern, **15**, 1923, p. 391. (French Islands.)

French Islands, Rook Island.

***Halcyon chloris nusae* Heinroth**

*Halcyon nusae* Heinroth, Journ. f. Orn., **50**, 1902, p. 437, pl. 8, f. 2. (Nusa Island.)

Bismarck Archipelago: Nusa, New Hanover, Feni, small islands between New Hanover and New Ireland and probably parts of New Ireland.

***Halcyon chloris novaehiberniae* Hartert**

*Halcyon tristrami novaehiberniae* Hartert, Nov. Zool., **32**, 1925, p. 125. (Southwestern New Ireland.)

Southwestern New Ireland.

***Halcyon chloris tristrami* Layard**

*Halcyon tristrami* Layard, Ibis, 1880, p. 460, pl. 15. (Makira Harbor, Solomon Islands, error = Blanche Bay, New Britain.)<sup>1</sup>

*Halcyon platyrhynchus* Reichenow, Orn. Monatsb., **6**, 1899, p. 48. (New Britain.)

New Britain.

***Halcyon chloris alberti* Rothschild and Hartert**

*Halcyon tristrami alberti* Rothschild and Hartert, Nov. Zool., **12**, 1905, p. 256. (Kulambangra, Solomon Islands.)

Northern Solomon Islands (Bougainville to Ysabel); central Solomon Islands (Vella Lavella to Tetipari and Gatukai); Florida, Savo, Guadalcanal.

<sup>1</sup> cf. Rothschild and Hartert, Nov. Zool., **12**, 1905, p. 256.

**Halcyon chloris mala** Mayr

*Halcyon chloris mala* Mayr, Am. Mus. Novit., no. 820, 1935, p. 2.<sup>1</sup>  
(Malaita, Solomon Islands.)

Solomon Islands: Malaita.

**Halcyon chloris pavuvu** Mayr

*Halcyon chloris pavuvu* Mayr, Am. Mus. Novit., no. 820, 1935, p. 2.<sup>1</sup>  
(Pavuvu, Solomon Islands.)

Solomon Islands: Pavuvu.

**Halcyon chloris solomonis** Ramsay

*Halcyon solomonis* Ramsay, Proc. Linn. Soc. New South Wales, 6, 1882, p. 833. (Ugi, Solomon Islands.)

*Halcyon perplexa* Rothschild and Hartert, Nov. Zool., 15, 1908, p. 361. (Yanuta, San Cristóbal, Solomon Islands.)

Solomon Islands: Ugi, San Cristóbal, Santa Anna.

**Halcyon chloris amoena** Mayr

*Halcyon chloris amoena* Mayr, Am. Mus. Novit., no. 469, 1931, p. 10.  
(Rennell Island, Solomon Islands.)

Solomon Islands: Rennell.

**Halcyon chloris brachyura** Mayr

*Halcyon chloris brachyura* Mayr, Am. Mus. Novit., no. 469, 1931, p. 9. (Fenualoa Island, Reef Islands.)

Reef Islands (or Swallow group): Fenualoa, Lomlom.

**Halcyon chloris vicina** Mayr

*Halcyon chloris vicina* Mayr, Am. Mus. Novit., no. 469, 1931, p. 10.  
(Disappointment Island, Duff Group.)

Duff Group.

**Halcyon chloris ornata** Mayr

*Halcyon chloris ornata* Mayr, Am. Mus. Novit., no. 469, 1931, p. 9.  
(Santa Cruz, Santa Cruz Islands.)

Santa Cruz Islands: Santa Cruz, Tinakula.

**Halcyon chloris utupuae** Mayr

*Halcyon chloris utupuae* Mayr, Am. Mus. Novit., no. 469, 1931, p. 8.  
(Utupua Island, Santa Cruz Islands.)

Santa Cruz Islands: Utupua.

**Halcyon chloris melanodera** Mayr

*Halcyon chloris melanodera* Mayr, Am. Mus. Novit., no. 469, 1931, p. 8. (Vanikoro Island, Santa Cruz Islands.)

Santa Cruz Islands: Vanikoro.

<sup>1</sup> Additional description, Am. Mus. Novit., no. 828, 1936, p. 6.

**Halcyon chloris torresiana** Mayr

*Halcyon chloris torresiana* Mayr, Am. Mus. Novit., no. 469, 1931, p. 7. (Hiu Island, Torres Group.)

Torres group: Toga, Lo, Hiu.

**Halcyon chloris santoensis** Mayr

*Halcyon chloris santoensis* Mayr, Am. Mus. Novit., no. 469, 1931, p. 6. (Espíritu Santo Island, New Hebrides.)

New Hebrides: Espíritu Santo, Dolphin; Banks group: Melapav, Gaua, Vanua Lava, Valua, Bligh.

**Halcyon chloris erromangae** Mayr

*Halcyon chloris erromangae* Mayr, Am. Mus. Novit., no. 986, 1938, p. 2. (Dillon's Bay, Erromanga, New Hebrides.)

New Hebrides: Erromanga.

**Halcyon chloris tannensis** Sharpe

*Halcyon tannensis* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 216 (in key), p. 266. (Tanna Island, New Hebrides.)

New Hebrides: Tanna.

**Halcyon chloris juliae** (Heine)

*Sauropatis juliae* Heine, Journ. f. Orn., 8, 1860, p. 184. (New Hebrides, restricted to Efate by Mayr, *antea*, 1931, p. 5.)

New Hebrides: Aneiteum, Efate.

**Halcyon chloris vitiensis** (Peale)

*Dacelo vitiensis* Peale, U. S. Expl. Exped., 8, 1848, p. 156. (Vanua Levu and Ovalau, Fiji Islands.)

*Halcyon suvensis* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 217 (in key), p. 281. (Suva, Fiji Islands.)

Fiji Islands: Viti Levu, Vanua Levu, Ovalau, Ngau, Koro, Taviuni.

**Halcyon chloris eximia** Mayr

*Halcyon chloris eximia* Mayr, Am. Mus. Novit., no. 1152, 1941, p. 2. (Ono Island, Fiji Islands.)

Fiji Islands: Kandavu, Ono, Yankuve, Ndravuni, Vanua Kula.

**Halcyon chloris marina** Mayr

*Halcyon chloris marina* Mayr, Am. Mus. Novit., no. 1152, 1941, p. 2. (Ongea Levu, Fiji Islands.)

Fiji Islands: Lau Archipelago.

**Halcyon chloris sacra** (Gmelin)

*Alcedo sacra* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 453. (Society Islands, New Zealand, Philippines; restricted to Tongatabu by Wetmore, Bull. Mus. Comp. Zool., 63, 1919, p. 196.)



*Sauropatis sacra rabulata* Wetmore, Bull. Mus. Comp. Zool., **63**, 1919, p. 197. (Eua, Tonga Islands.)

*Sauropatis sacra celada* Wetmore, Bull. Mus. Comp. Zool., **63**, 1919, p. 198. (Vavau, Tonga Islands.)

Tonga Islands.

***Halcyon chloris regina* Mayr**

*Halcyon chloris regina* Mayr, Am. Mus. Novit., no. 1152, 1941, p. 2. (Futuna Island, central Polynesia.)

Hoorn Islands: Futuna.

***Halcyon chloris pealei* Finsch and Hartlaub**

*Halcyon Pealei* Finsch and Hartlaub, Beitr. Fauna Centralpolynesiens, Orn., 1867, p. 38. (Tutuila, Samoa Islands.)

*Halcyon tutuilæ* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 216 (in key), p. 266. (Tutuila, Samoa Islands.)

Samoa Islands: Tutuila.

***Halcyon chloris manuae* Mayr**

*Halcyon chloris manuae* Mayr, Am. Mus. Novit., no. 1152, 1941, p. 2. (Tau, Manua Islands, Samoa.)

Samoa Islands: Ofu, Olosinga, Tau.

***Halcyon saurophaga saurophaga* Gould**

*Halcyon saurophaga* Gould, Proc. Zool. Soc. London, pt. 11, 1843, p. 103. (New Guinea, type from the northern coast, between Island of Jobi and Cape d'Urville.)

*Halcyon saurophaga cancrivora* Stresemann and Paludan, Nov. Zool., **38**, 1932, p. 173. (Ysabel Island, Solomon Islands.)

Northern Moluccas, Obi, Western Papuan Islands, islands in Geelvink Bay, northern coast of New Guinea from Sorong eastward and islands off the northern coast, D'Entrecasteaux and Louisiade Archipelagoes, Constance Island, Bismarck Archipelago and small islands to the north; Solomon Islands.

***Halcyon saurophaga anachoreta* Reichenow**

*Halcyon anachoreta* Reichenow, Orn. Monatsb., **6**, 1898, p. 47. (Hermit Islands.)

Hermit Islands and the Ninigo Group.

***Halcyon saurophaga admiralitatis* Sharpe**

*Halcyon admiralitatis* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 214 (in key), p. 251. (Admiralty Islands.)

Admiralty Islands.

**Halcyon recurvirostris** (Lafresnaye)

*Todiramphus recurvirostris* Lafresnaye, Rev. Zool., 1842, p. 134.

("In insulis maris Australis" = Samoa.)

Samoa Islands: Upolu, Savaii.

**Halcyon venerata venerata** (Gmelin)

*Alcedo venerata* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 453, no. 29.

("Insula amici" = Society Islands.)

Society Islands: Tahiti.

**Halcyon venerata youngi** (Sharpe)

*Todirhamphus youngi* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 288

(in key), p. 289. (Moorea, Society Islands.)

Society Islands: Moorea.

**Halcyon tuta** (Gmelin)

*Alcedo tuta* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 453, no. 28. (Tahiti.)

*Todirhamphus wiglesworthi* Sharpe, Hist. Coll. Brit. Mus., Bds., 1906, p. 182, in text. (Society Islands.) *Ex* Sharpe, Cat. Bds. Brit. Mus., 17, p. 291.

Society Islands: Borabora.

**Halcyon gambieri gambieri** Oustalet

*Halcyon Gambieri* Oustalet, Nouv. Arch. Mus. Hist. Nat. [Paris] (3), 7, 1895, p. 182. (Mangareva, Gambier Archipelago, Tuamotus.)

Tuamotu Archipelago: Mangareva.

**?Halcyon gambieri gertrudae** (Murphy)

*Todirhamphus gertrudæ* Murphy, Am. Mus. Novit., no. 149, 12 Nov., 1924, p. 1. (Niau, Tuamotu Archipelago.) Also figured and named, Natural History, 24, 14 Nov., 1924, no. 5, col. pl. opp. p. 539.

Tuamotu Archipelago: Niau. Doubtfully distinct from *H. g. gambieri*.

**Halcyon godeffroyi** Finsch

*Halcyon godeffroyi* Finsch, Proc. Zool. Soc. London, 1877, p. 408. (Marquesas Islands.)

Marquesas Islands.

**Halcyon miyakoensis** Kuroda

*Halcyon miyakoensis* Kuroda Dobuts. Zasshi, 31, 1919, p. 229 (Japanese text), p. 231 (English text). (Miyako-shima, Riu Kiu Islands.)

Known only from the unique type.<sup>1</sup>

<sup>1</sup> Not seen; systematic position uncertain. Reported to be extinct.

**Halcyon bougainvillei bougainvillei** Rothschild

*Halcyon bougainvillei* Rothschild, Bull. Brit. Orn. Cl., **15**, 1904, p. 5.  
(Bougainville Island.)

Solomon Islands: Bougainville.

**Halcyon bougainvillei excelsa** Mayr

*Halcyon bougainvillei excelsa* Mayr, Am. Mus. Novit., no. 1152,  
1941, p. 3. (Inland from Cape Hunter, 4000 feet, Guadalcanal.)

Solomon Islands: Guadalcanal.

**Halcyon concreta concreta** (Temminck)

*Dacelo concreta* Temminck, Pl. col., livr. 58, 1825, pl. 346. (Sumatra.)

Southern Tenasserim southward over the Malay Peninsula; Sumatra, Banka, Billiton.

**Halcyon concreta borneana** Chasen and Kloss

*Halcyon concreta borneana* Chasen and Kloss, Bull. Raffles Mus.,  
no. 4, 1930, p. 24. (Bettotan, near Sandakan, North Borneo.)

Borneo.

**Halcyon lindsayi lindsayi** (Vigors)

*Dacelo Lindsayi* Vigors, Proc. Comm. Zool. Soc. London, pt. 1,  
1830-31 (1831), p. 97. (Neighborhood of Manila, Philippine  
Islands.)

Philippine Islands: Luzon.

**Halcyon lindsayi moseleyi** (Steere)

*Actenoides Moseleyi* Steere, List Bds. Mamms. Steere Exped., 1890,  
p. 11. (Negros.)

Philippine Islands: Negros.

**Halcyon lindsayi hombroni** (Bonaparte)

*Actenoides hombroni* Bonaparte, Consp. Av., **1**, 1850, p. 157. (Oceania, error = Philippine Islands.)

Philippine Islands: Mindanao.

**Halcyon fulgida fulgida** Gould

*Halcyon fulgidus* Gould, Proc. Zool. Soc. London, pt. 25, 1857, p. 65.  
(Lombok.)

Lesser Sunda Islands: Lombok, Sumbawa.

**Halcyon fulgida gracilirostris** (Rensch)

*Monachalcyon fulgidus gracilirostris* Rensch, Orn. Monatsb., **36**,  
1928, p. 48. (Sita, 700 metres, Flores.)

Lesser Sunda Islands: Flores.

**Halcyon monacha monacha** Bonaparte

*Halcyon* (*Paralcyon*) *monachus* Bonaparte, Consp. Av., 1, 1850, p. 154, ex Gray MS. (Celebes.)

*Dacelalcyon confusus* Mathews, Bds. Austr., 7, 1918, p. 117. (New name for *Monachalcyon cyanocephalus* of Cat. Bds. Brit. Mus., 17, 1892, p. 295, not of authors.)

Northern Celebes.

**Halcyon monacha intermedia** (Hartert)

*Monachalcyon monachus intermedius* Hartert, Nov. Zool., 4, 1897, p. 163. (Tawaya, western Celebes.)

North-central Celebes.

**Halcyon monacha capucina** (Meyer and Wigglesworth)

*Monachalcyon capucinus* Meyer and Wigglesworth, Abhandl. und Ber. Mus. Dresden, 6, 1896-97 (1896), no. 2, p. 12. (Tonkean, East Peninsula, Celebes.)

Eastern, southeastern and southern Celebes.

**Halcyon princeps princeps** (Reichenbach)

*Monachalcyon princeps* Reichenbach, Handb. spec. Orn., 1851, p. 38. (Celebes.)

Eastern half of the northern peninsula of Celebes.

**Halcyon princeps erythrorhamphus** (Stresemann)

*Monachalcyon princeps erythrorhamphus* Stresemann, Orn. Monatsb., 39, 1931, p. 104. (Latimodjong Mountains, 1800 metres, Celebes.)

Mountains of northwestern, north-central and south-central Celebes.

**Halcyon princeps regalis** (Stresemann)

*Monachalcyon princeps regalis* Stresemann, Orn. Monatsb., 40, 1932, p. 112. (Tanke Salokko, 2000 metres, Mengkoka Mountains, southeastern Celebes.)

Confined to the Mengkoka Mountains in southeastern Celebes.

GENUS **TANYSIPTERA** VIGORS

*Tanysiptera* Vigors, Trans. Linn. Soc. London, 14, 1825, p. 433, note. Type, by monotypy, *Alcedo dea* Linné, 1766, not *Alcedo dea* Linné, 1758 = *Tanysiptera nais* G. R. Gray.

*Edquista* Mathews (subgenus), Bds. Austr., 7, 1918, p. 198. Type, by monotypy, *Tanysiptera carolinae* Schlegel.

cf. Mathews, Bds. Austr., 7, 1918, p. 197-204.

Mayr, List New Guinea Bds., 1941, p. 91-93.

**Tanysiptera hydrocharis** G. R. Gray

*Tanysiptera hydrocharis* G. R. Gray, Proc. Zool. Soc. London, pt. 26, 1858, p. 172. (Aru Islands.)

Southern New Guinea from the lower and middle Fly River to the Wassi Kussa River; Aru Islands.

**Tanysiptera galatea emiliae** Sharpe

*Tanysiptera emiliae* Sharpe, Monogr. Alced., 1871, p. [265], pl. [102]. (Raou Island.)

Moluccas: Rau.

**Tanysiptera galatea doris** Wallace

*Tanysiptera doris* Wallace, Ibis, 1862, p. 349. (Morotai.)

Moluccas: Morotai.

**Tanysiptera galatea margarethae** Heine

*Tanysiptera Margarethae* Heine, Journ. f. Orn., 7, November or later, 1859, p. 406. (No locality = Batjan, *fide* Hartert, Nov. Zool., 10, 1903, p. 49.)

Moluccas: Halmahera, Batjan,

**Tanysiptera galatea sabrina** G. R. Gray

*Tanysiptera sabrina* G. R. Gray, Proc. Zool. Soc. London, pt. 28, 1860, p. 347, pl. 170. (Kayoa.)

Moluccas: Kayoa.

**Tanysiptera galatea obiensis** Salvadori

*Tanysiptera obiensis* Salvadori, Ann. Mus. Civ. Genova, 10, 1877, p. 302. (Obi.)

Moluccas: Obi, Oblilatu.

**Tanysiptera galatea acis** Wallace

*Tanysiptera acis* Wallace, Proc. Zool. Soc. London, 1863, p. 23. (Buru.)

Moluccas: Buru.

**Tanysiptera galatea naïs** G. R. Gray

*Tanysiptera naïs* G. R. Gray, Proc. Zool. Soc. London, pt. 28, 1860, p. 346. (Amboina.)<sup>1</sup>

Moluccas: Boano, Manipa, Ceram, Amboina, Saparua, Manawoka, Goram Archipelago.

**Tanysiptera galatea galatea** G. R. Gray

*Tanysiptera galatea* G. R. Gray, Proc. Zool. Soc. London, pt. 27, between July and October, 1859, p. 154. (Dorey [now Manokwari], New Guinea.)

<sup>1</sup> Replaces *Alcedo dea* 1766, not of 1758, of Sharpe's Hand-list.

*Tanysiptera galatea rubiensis* A. B. Meyer, Abhandl. und Ber. Mus., Dresden, 1890-1891 (1891), no. 4, p. 8. (Rubi, Geelvink Bay.)

Western Papuan Islands: Gebe, Waigeu, Salawatti, Batanta; north-western New Guinea to the eastern shore of Geelvink Bay on the north and to Triton Bay on the south.

***Tanysiptera galatea meyeri* Salvadori**

*Tanysiptera meyeri* Salvadori, Orn. Pap. e delle Mol., Aggiunte, pt. 1, 1889, p. 54. (Near Kafu, New Guinea.) Advance and separately paged reprint from Mem. R. Accad. Sci. Torino (2), **40**, 1890, p. 182.

Northern New Guinea from the Mamberano River east to Astrolabe Bay and the upper Ramu; Karkar and Tarawai Islands.

***Tanysiptera galatea minor* Salvadori and D'Albertis**

*Tanysiptera galatea* var. *minor* Salvadori and D'Albertis, Ann. Mus. Civ. Genova, **7**, 1875, p. 815. (Mt. Epa, southeastern New Guinea.)

*Tanysiptera microrhyncha* Sharpe, Journ. Linn. Soc. London, **13**, 1877, p. 311. (New Guinea, opposite Yule Island.)

Southern and southeastern New Guinea westward to the Digul River.

***Tanysiptera galatea vulcani* Rothschild and Hartert**

*Tanysiptera hydrocharis vulcani* Rothschild and Hartert, Nov. Zool., **22**, 1915, p. 42. (Vulcan Island.)

Vulcan Island.

***Tanysiptera galatea rosseliana* Tristram**

*Tanysiptera rosseliana* Tristram, Ibis, 1889, p. 557. (Rossel Island.)  
 Louisiade Archipelago: Rossel Island.

***Tanysiptera (galatea) riedelii* J. Verreaux**

*Tanysiptera Riedelii* J. Verreaux, Nouv. Arch. Mus. Hist. Nat. [Paris], **2**, 1866, Bull., p. 21, pl. 3, f. 1. (No locality = Biak Island.)

Confined to Biak Island in Geelvink Bay.

***Tanysiptera carolinae* Schlegel**

*Tanysiptera Carolinae* Schlegel, Ned. Tijdschr. Dierk., **4**, 1871, p. 13. (Mafor.)

Numfor [formerly called Mafor] Island in Geelvink Bay.

***Tanysiptera ellioti* Sharpe**

*Tanysiptera ellioti* Sharpe, Proc. Zool. Soc. London, 1869 (1870), p. 630. (No locality.)

Kofiau [formerly called Popa] Island, near Misol.

**Tanysiptera nympha** G. R. Gray

*Tanysiptera Nympha* G. R. Gray, Ann. and Mag. Nat. Hist., **6**, 1840, p. 238. (New Guinea = The Vogelkop.)

*Tanysiptera (Tanysiptera) nympha rothschildi* Laubmann, Verh. Orn. Ges. Bayern, **16**, 1924, p. 26. (Sattelberg, Huon Peninsula, New Guinea.)

Locally distributed in New Guinea as follows: western coast of the Vogelkop, Onin Peninsula to Etna Bay, head of Geelvink Bay, Huon Peninsula, Huon Gulf and the upper Watut River.

**Tanysiptera danae** Sharpe

*Tanysiptera Danae* Sharpe, Ann. and Mag. Nat. Hist. (5), **6**, 1880, p. 231. (Milne Bay, New Guinea.)

*Tanysiptera danæ intensa* Rothschild and Hartert, Bull. Brit. Orn. Cl., **42**, 1922, p. 91. (Hydrographer Mts., 2500 feet, west of Dyke Acland Bay, New Guinea.)

Southeastern New Guinea from the Waria River on the north and the Aroa River on the south, eastward.

**Tanysiptera sylvia leucura** Neumann

*Tanysiptera nigriceps leucura* Neumann, Orn. Monatsb., **23**, 1915, p. 180. (Rook Island.)

Rook Island.

**Tanysiptera sylvia nigriceps** Selater

*Tanysiptera nigriceps* Selater, Proc. Zool. Soc. London, 1877, p. 105. (Duke of York Island.)

Bismarck Archipelago: New Britain, Duke of York Island.

**Tanysiptera sylvia salvadoriana** Ramsay

*Tanysiptera salvadoriana* Ramsay, Proc. Linn. Soc. New South Wales, **3**, pt. 3, 1878, p. 259. (Near Port Moresby, New Guinea.)

Southeastern New Guinea from Hall Sound to the Kemp Welch River and the Moroka district.

**Tanysiptera sylvia sylvia** Gould

*Tanysiptera sylvia* Gould, in Jardine's Contr. Orn., 1850, p. 105. (Cape York, Queensland.)

*Uralcyon sylvia dydimus* Mathews, Austr. Av. Rec., **3**, 1916, p. 58. (Tully River, Queensland.)

*Tanysiptera sylvia mira* Hartert, Nov. Zool., **36**, 1930, p. 100. (Ifaar, northern New Guinea.)

Northern Queensland. Winters in southern New Guinea between the Setekwa and the Fly Rivers; recorded from northern New Guinea near Humboldt Bay.

## SUPERFAMILY TODOIDEA

## FAMILY TODIDAE

GENUS *TODUS* BRISSON

*Todus* Brisson, Orn., 1, 1760, p. 44; 4, p. 528. Type, by tautonymy, *Alcedo todus* Linné.

cf. Bond, Bds. West Indies, 1936, p. 226-228.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 441-449.

***Todus multicolor* Gould**

*Todus multicolor* Gould, Icones Avium, pt. 1, 1837, pl. [2] and text. (Locality unknown = western Cuba.)

*Todus portoricensis* A. Lesson MS., R. P. Lesson, Ann. Sci. Nat., Zool. (2), 9, 1838, p. 167, note 2. (Puerto Rico; error.)

*Todus multicolor exilis* Barbour and Brooks, Proc. New England Zool. Cl., 6, 1917, p. 51. (Preston, Nipe Bay, Oriente, Cuba.) Cuba and the Isle of Pines.

***Todus angustirostris* Lafresnaye**

*Todus angustirostris* Lafresnaye, Rev. et Mag. Zool. (2), 3, 1851, p. 478. (Hispaniola.)

Hispaniola.

***Todus todus* (Linné)**

*Alcedo Todus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 116. (America = Jamaica.)<sup>1</sup>

Jamaica.

***Todus mexicanus* Lesson**

*Todus mexicanus* Lesson, Ann. Sci. Nat., Zool. (2), 9, 1838, p. 167, note 1. (Mexico, particularly Tampico, error = Puerto Rico.)<sup>2</sup>

Puerto Rico.

***Todus subulatus* G. R. Gray**

*Todus subulatus* "Gould," G. R. Gray, Gen. Bds., 1, 1847, pl. 22. (No locality.)

*Todus pulcherrimus* Sharpe, Ibis, 1874, p. 353, pl. 13, f. 3. (Jamaica? error = Hispaniola.) Abnormal specimen.

Hispaniola and Gonave.

<sup>1</sup> Replaces *Todus viridis* Linn. of Sharpe's Hand-list.

<sup>2</sup> Replaces *Todus hypochondriacus* Bryant of Sharpe's Hand-list.



## SUPERFAMILY MOMOTOIDEA

## FAMILY MOMOTIDAE

GENUS **HYLOMANES** LICHTENSTEIN

*Hylomanes* [M. H. C.] Lichtenstein, Abh. Akad. Wiss. Berlin for 1838 (1839), p. 449, pl. 4. Type, by monotypy, *Hylomanes momotula* Lichtenstein.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 484-487.

**?Hylomanes momotula chiapensis** Brodkorb

*Hylomanes momotula chiapensis* Brodkorb, Occ. Papers Mus. Zool. Univ. Mich., no. 369, 1938, p. 2. (Mount Ovando, 1900 metres, Chiapas.)

Pacific slope of southern México in State of Chiapas. Requires confirmation.

**Hylomanes momotula momotula** Lichtenstein

*Hylomanes Momotula* [M. H. C.] Lichtenstein, Abh. Akad. Wiss. Berlin for 1838 (1839), p. 449, pl. 4. (Valle Real, México.)

Caribbean slope of southern México and Central America from Vera Cruz to Honduras.

**Hylomanes momotula obscurus** Nelson

*Hylomanes momotula obscurus* Nelson, Smiths. Misc. Coll., 56, 1911, no. 22, p. 1. (Cerro Brujo, Panamá.)

Northwestern Costa Rica, Canal Zone, Darien and extreme northwestern Colombia.

GENUS **ASPATHA** SHARPE

*Aspatha* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 313 (in key), p. 331. Type, by monotypy, *Prionites gularis* Lafresnaye.

cf. Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 482-484.

**Aspatha gularis** (Lafresnaye)

*Prionites gularis* Lafresnaye, Rev. Zool., 1840, p. 130. (Guatemala.)

Mountains of southern México and northern Central America in Chiapas, Guatemala, Honduras and El Salvador.

GENUS **ELECTRON** GISTEL<sup>1</sup>

*Electron* Gistel, Naturg. Thierr. Höhere Schulen, 1848, p. viii. New name to replace *Crypticus* Swainson, 1837 (not of Latreille, 1817) the type of which by designation of G. R. Gray, 1840, is *Momotus platyrhynchus* Leadbeater.

<sup>1</sup> Replaces *Prionornis* Salvin and Godman, 1895, of Sharpe's Hand-list.

- cf. Chapman, Bull. Am. Mus. Nat. Hist., **36**, 1917, p. 268-270.  
Oberholser, Proc. Indiana Acad. Sci., 1919 (1920), p. 341-344.  
Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 470-476.

**Electron platyrhynchum minor** (Hartert)

*Prionirhynchus platyrhynchus minor* Hartert, Nov. Zool., **5**, 1898, p. 498. (Panamá.)

*Electron platyrhynchus suboles* Nelson, Smiths. Misc. Coll., **60**, 1912, no. 3, p. 5. (Cana, 2000 feet, Darien.)

Eastern Honduras, eastern Nicaragua, Costa Rica, Panamá and the lower Cauca Valley in Colombia.

**Electron platyrhynchum platyrhynchum** (Leadbeater)

*Momotus platyrhynchus* Leadbeater, Trans. Linn. Soc. London, **16**, pt. 1, 1829, p. 92. (Brazil, error, type locality fixed as western Ecuador by Oberholser, *antea*.)

Western Colombia and western Ecuador.

**Electron platyrhynchum pyrrholaemum** (Berlepsch and Stolzmann)

*Prionirhynchus platyrhynchus pyrrholæmus* Berlepsch and Stolzmann, Proc. Zool. Soc. London, 1902, vol. 2, p. 35. (La Merced, central Perú.)

*Electron platyrhynchum medianum* Todd, Proc. Biol. Soc. Wash., **26**, 1913, p. 174. (Río Turutu [i.e. Surutú], Prov. del Sara, Bolivia.)

Eastern Colombia, eastern Ecuador, Perú and northern Bolivia.

**Electron platyrhynchum orienticola** Oberholser

*Electron platyrhynchus orienticola* Oberholser, Proc. Indiana Acad. Sci., 1919 (1920), p. 342. (Hyutanihan, below the falls of the Rio Purús, Brazil.)

Western Brazil.

**Electron platyrhynchum chlorophrys** Miranda-Ribeiro

*Electron platyrhynchus chlorophrys* Miranda-Ribeiro, Bol. Mus. Nac. Brazil, **7**, 1931, p. 83. (Rio Tocantins, Goyaz and Rio Tramaqui, Matto Grosso.)

*Electron platyrhynchus orientale* Todd, Ann. Carnegie Mus., **25**, 1937, p. 246. (Villa Braga, Rio Tapajóz, Brazil.)

Brazil in states of Matto Grosso, Pará (Rio Tapajóz, Rio Tocantins) and Goyaz.

**Electron carinatum** (DuBus)

*Prionites carinatus* DuBus, Bull. Acad. Roy. Sci. Belg., **14**, 1847, pt. 2, p. 108. (Guatemala.)

*Electron carinatus viridis* Ridgway, Proc. Biol. Soc. Wash., **25**, 1912, p. 89. (La Vijagua, Costa Rica.)

Caribbean slope of southern México and Central America from Vera Cruz to northern Nicaragua and northwestern Costa Rica.

GENUS **EUMOMOTA** SCLATER

*Eumomota* Sclater, Proc. Zool. Soc. London, pt. 25, 1857 (1858), p. 257. Type, by monotypy, *Prionites superciliaris* Jardine and Selby = *Pyronites superciliosus* Sandbach.

cf. Griscom, Proc. New England Zool. Cl., 11, 1929, p. 51-56.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 476-482.

**Eumomota superciliosa bipartita** Ridgway

*Eumomota superciliaris bipartitus* Ridgway, Proc. Biol. Soc. Wash., 25, 1912, p. 90. (Cacoprieto, Oaxaca, México.)

Southern México in states of Vera Cruz, Oaxaca and Chiapas; Pacific slope of Guatemala.

**Eumomota superciliosa superciliosa** (Sandbach)

*Pyronites superciliosus* Sandbach, Athenaeum, no. 517, 23 Sept., 1837, p. 698. (México = Campeche.)

Southeastern México in states of Tabasco and Campeche; northern half of Yucatán Peninsula; Cozumel and Meco Islands.

**Eumomota superciliosa vanrossemi** Griscom

*Eumomota superciliosa vanrossemi* Griscom, Proc. New England Zool. Cl., 11, 1929, p. 55. (Sacapula, Río Negro valley, Guatemala.)

Interior of Guatemala in the arid portions of the Río Negro and Motagua valleys.

**Eumomota superciliosa sylvestris** Carriker and de Schauensee

*Eumomota superciliosa sylvestris* Carriker and de Schauensee, Proc. Acad. Nat. Sci. Phila., 87, 1935, p. 418. (Quiriguá, 150 feet, Guatemala.)

Humid rain forest of the Caribbean lowlands of Guatemala.

**Eumomota superciliosa apiaster** (Lesson)

*Crypticus apiaster* Lesson, Rev. Zool., 1842, p. 174. ("San Carlos, Americae centralis, Oceani Pacifici" = San Carlos, El Salvador.)

*Eumomota superciliosa dickeyi* Griscom, Proc. New England Zool. Cl., 11, 1929, p. 55. (Copan, Honduras.)

El Salvador, western Honduras and northwestern Nicaragua.

**Eumomota superciliosa euroaustriis** Griscom

*Eumomota superciliosa euroaustriis* Griscom, Proc. New England Zool. Cl., 11, 1929, p. 54. (Lancetilla, Honduras.)

Confined to the drier and more open valleys on the Caribbean slope of northern Honduras.

**Eumomota superciliosa australis** Bangs

*Eumomota supercilialis australis* Bangs, Proc. Biol. Soc. Wash., **19**, 1906, p. 104. (Bebedero, Costa Rica.)

Pacific slope of northwestern Costa Rica.

GENUS **BARYPHTHENGUS** CABANIS AND HEINE <sup>1</sup>

*Baryphthengus* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1859), p. 114. Type, by subsequent designation, *Baryphonus ruficapillus* Vieillot. (Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 330.)

cf. Chapman, Bull. Am. Mus. Nat. Hist., **48**, 1923, p. 27, note; **55**, 1926, p. 270-271.

Pinto, Rev. Mus. Paulista, **22**, 1938, p. 297-298.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 452 (key), p. 467-470.

**Baryphthengus ruficapillus semirufus** (Scalater)

*Momotus semirufus* Scalater, Rev. et Mag. Zool. (2), **5**, 1853, p. 489. (Santa Marta, Colombia, error?)

?*Baryphthengus martii aequatorialis* Lletget, Bol. Soc. esp. Hist. Nat., **39**, 1942, p. 338. (Ecuador.)<sup>2</sup>

Tropical zone of Panamá, western Colombia and western Ecuador.

**Baryphthengus ruficapillus costaricensis** Todd

*Baryphthengus martii costaricensis* Todd, Proc. Biol. Soc. Wash., **56**, 1943, p. 48. (Cuabre, Río Sicsola, Costa Rica.)

Tropical zone of eastern Nicaragua and eastern Costa Rica.

**Baryphthengus ruficapillus martii** (Spix)

*Prionites martii* Spix, Av. Bras., **1**, 1824, p. 64, pl. 60. (Near Pará, Brazil.)

*Urospatha martii olivacea* Cory, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, 1918, no. 1, p. 108. (Moyobamba, Perú.)

*Baryphthengus* [sic] *martii cinereiventris* Miranda-Ribeiro, Bol. Mus. Nac. Rio de Janeiro, **7**, 1931, p. 84 (in key), p. 85. (Fóz do Castanha, Brazil.)

Eastern Colombia, eastern Ecuador, Amazonian Peru, northern Bolivia, northern Brazil in states of Amazonas and Pará.

<sup>1</sup> Includes *Urospatha Salvadori*, 1868, of Sharpe's Hand-list.

<sup>2</sup> Original not seen; so cited in Zoological Record for 1942.

**Baryphthengus ruficapillus ruficapillus** (Vieillot)

*Baryphonus ruficapillus* Vieillot, Nouv. Dict. Hist. Nat., **21**, 1818, p. 315. (No locality = vicinity of Lima, Perú, *ex* Levaillant, Hist. Nat. Ois. Paradis, etc. pl. 39. Error = southeastern Brazil.)

?*Baryphthengus melancholicus* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1859), p. 115. (Buenos Aires?)

*Baryphthengus ruficapillus abrevi* Sztolcman [= Stolzmann], Ann. Zool. Mus. Polonici Hist. Nat., **5**, 1926, p. 130. (Candido de Abreu, Paraná, Brazil.)

*Baryphthengus* [sic] *ruficapillus oeruginosus* Miranda-Ribeiro, Bol. Mus. Nac. Rio de Janeiro, **7**, 1931, p. 84 (in key), p. 87.<sup>1</sup> (States of Minas Geraes and Rio de Janeiro, Brazil.)

Southern and eastern Brazil in states of Bahia, Minas Geraes, Rio de Janeiro, São Paulo, Paraná, Santa Catharina and Rio Grande do Sul; Paraguay, northeastern Argentina in Territory of Misiones.<sup>2</sup>

GENUS **MOMOTUS** BRISSON

*Momotus* Brisson, Orn., 1760, **1**, p. 44; **4**, p. 465. Type, by tautonymy, *Ramphastos momota* Linné.

cf. Chapman, Bull. Am. Mus. Nat. Hist., **48**, 1923, p. 27-59 (monogr.). Pinto, Rev. Mus. Paulista, **22**, 1938, p. 298-300.

Ridgway, Bull. U. S. Nat. Mus., no. 50, pt. 6, 1914, p. 453-467.

**Momotus mexicanus vanrossemi** Moore

*Momotus mexicanus vanrossemi* Moore, Proc. Biol. Soc. Wash., **45**, 1932, p. 109. (Chinobampo, Sonora.)

Arid tropical zone of extreme southern Sonora and probably of contiguous portions of Chihuahua and Sinaloa.

**Momotus mexicanus mexicanus** Swainson

*Momotus Mexicanus* Swainson, Philos. Mag. (n.s.), **1**, 1827, p. 442. (Temiscáltepec, México.)

México in states of Sinaloa, Durango, Zacatecas, Nayarit, Jalisco, Colima, Michoacán, México, Morelos, Puebla and Guerrero.

**Momotus mexicanus saturatus** Nelson

*Momotus mexicanus saturatus* Nelson, Auk, **14**, 1897, p. 49. (Ciudad Tehuantepec, Oaxaca.)

Southwestern México in states of Oaxaca and Chiapas.

<sup>1</sup> Spelled *aeruginosus* on p. 87.

<sup>2</sup> I cannot discover on what basis this species is recorded from southeastern Bolivia in "Lista Sistemática de las Aves Argentinas" in Hornero, 7, 1938, p. 91.

**Momotus mexicanus castaneiceps** Gould

*Momotus castaneiceps* Gould, Proc. Zool. Soc. London, pt. 22, 1854 (1855), p. 154. (Guatemala.)

Arid interior sections of Guatemala: Plains of Zacapa, Motagua Valley.

**Momotus momota coeruliceps** (Gould)

*Prionites coeruliceps* Gould, Proc. Zool. Soc. London, pt. 4, 1836, p. 18. (Tamaulipas, México.)

Tropical zone of northeastern México in states of Nuevo León, Tamaulipas, San Luis Potosí, México, Puebla and northern Vera Cruz.

**Momotus momota goldmani** Nelson

*Momotus lessonii goldmani* Nelson, Auk, 17, 1900, p. 256. (Motzorong, Vera Cruz.)

Tropical zone of southeastern México in states of Vera Cruz (southern), Oaxaca and Tabasco; northern Guatemala in Department of Petén.

**Momotus momota exiguus** Ridgway

*Momotus lessonii exiguus* Ridgway, Proc. Biol. Soc. Wash., 25, 1912, p. 89. (Temax, Yucatán.)

Tropical zone of southern México in states of Campeche and Yucatán.

**Momotus momota lessonii** Lesson

*Momotus Lessonii* Lesson, Rev. Zool., 1842, p. 174. (Realejo, Nicaragua.)

Tropical and subtropical zones from southern México (Chiapas) southward over Central America to western Panamá (Chiriquí and Azuero Peninsula).

**Momotus momota conexus** Thayer and Bangs

*Momotus conexus* Thayer and Bangs, Bull. Mus. Comp. Zool., 46, 1906, p. 215. (Savanna of Panamá, Panamá.)

Tropical zone of the Pacific slope of Panamá from the Canal Zone to Cape Garachiné; upper Magdalena Valley in Colombia.

**Momotus momota reconditus** Nelson

*Momotus conexus reconditus* Nelson, Smiths. Misc. Coll., 60, 1912, no. 3, p. 4. (Marraganti, eastern Panamá.)

Eastern Panamá (except region occupied by *conexus*) and the Atrato Valley in Colombia.

**Momotus momota subrufescens** Sclater

*Momotus subrufescens* Sclater, Rev. et Mag. Zool. (2), 3, 1853, p. 489.  
(Colombia.)

*Momotus venezuelæ* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 321,  
in text. (San Esteban and Puerto Cabello, Venezuela.)

Caribbean coast region of Colombia and Venezuela.

**Momotus momota osgoodi** Cory

*Momotus osgoodi* Cory, Field Mus. Nat. Hist. Publ., Orn. Ser., 1,  
1913, p. 285. (El Guayabel, 10 miles east of Cúcuta, Colombia.)

Humid forest region about the southern half of the Gulf of Maracaibo.

**Momotus momota bahamensis** (Swainson)

*Prionites Bahamensis* Swainson, Anim. in Menag., 1837, p. 332.  
(Bahama Islands, error = Trinidad.)

Islands of Trinidad and Tobago.

**Momotus momota aequatorialis** Gould

*Momotus æquatorialis* Gould, Proc. Zool. Soc. London, pt. 25, 1857  
(1858), p. 223. (Archidona, Ecuador.)

*Momotus lessoni gualae* Lönnberg and Rendahl, Ark. f. Zool., 14,  
1922, no. 25, p. 51. (Gualaea, 3000 feet, Ecuador.)<sup>1</sup>

Subtropical zone of the Andes of Colombia (all three ranges) and the eastern slope of the Andes in Ecuador.

**Momotus momota chlorolaemus** Berlepsch and Stolzmann

*Momotus æquatorialis chlorolæmus* Berlepsch and Stolzmann, Proc.  
Zool. Soc. London, 1902, vol. 2, p. 35. (Ocobamba, Perú.)

Subtropical zone of eastern Perú.

**Momotus momota microstephanus** Sclater

*Momotus microstephanus* Sclater, Proc. Zool. Soc. London, pt. 25,  
1857 (1858), p. 251. ("Interior of New Grenada" = region about Villavicencio, Colombia.)

Tropical zone of Colombia and Ecuador east of the Andes, extending to the upper Rio Negro in northwestern Brazil.

**Momotus momota momota** (Linné)

*Ramphastos momota* Linné, Syst. Nat., ed. 12, 1, 1766, p. 152.  
(Cayenne.)

Tropical zone of northern South America from the Orinoco River to Cayenne, south to southern Venezuela and the north bank of the lower Amazon.

<sup>1</sup> Gualaea is in western Ecuador; it is probable that the type of *gualae* was erroneously labelled. cf. Chapman, *antea*, p. 34, note.

**Momotus momota argenticinctus** Sharpe

*Momotus argenticinctus* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 323, in text. (Santa Rita and Babahoyo, Ecuador.)

Tropical zone of western Ecuador and northwestern Perú.

**Momotus momota ignobilis** Berlepsch

*Momotus brasiliensis ignobilis* Berlepsch, Journ. f. Orn., **37**, 1889, p. 307. (Yurimaguas, Perú.)

*Momotus bartletti* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 318 (in key), p. 320, pl. 9. (Upper Ucayali River, Perú.)

Tropical zone of Amazonian Perú and probably adjacent parts of Bolivia, doubtless extending into western Brazil.

**Momotus momota nattereri** Sclater

*Momotus nattereri* Sclater, Proc. Zool. Soc. London, pt. 25, 1857 (1858), p. 251. (Yungas, Bolivia.)

*Momotus bolivianus* Reichenow, Journ. f. Orn., **67**, 1919, p. 335, in text. (Region between La Paz and Chuquisaca, Bolivia.)

Tropical zone at the northeastern base of the Bolivian Andes.<sup>1</sup>

**Momotus momota simplex** Chapman

*Momotus momota simplex* Chapman, Bull. Am. Mus. Nat. Hist., **48**, 1923, p. 44. (Santarem, Brazil.)

Right bank of the Amazon from near the Perú-Brazil border east to the left bank of the Tapajóz and south to northern Matto Grosso.

**Momotus momota cametensis** Snethlage

*Momotus momota cametensis* Snethlage, Orn. Monatsb., **20**, 1912, p. 155. (Cametá, left bank of the Rio Tocantins, Brazil.)

Right bank of the lower Amazon between the right bank of the Tapajóz and the left bank of the Tocantins.

**Momotus momota parensis** Sharpe

*Momotus parensis* Sharpe, Cat. Bds. Brit. Mus., **17**, 1892, p. 320, in text. (Pará, Brazil.)

Eastern Brazil south of the Amazon from the right bank of the Tocantins east through northeastern Pará and Maranhão to Piahy.

**Momotus momota pilcomajensis** Reichenow

*Momotus pilcomajensis* Reichenow, Journ. f. Orn., **67**, 1919, p. 334. (Villa Montes, Río Pilcomayo, Bolivia.)

Southern Bolivia eastward through southern Matto Grosso to Goyaz (Rio das Almas) south to northwestern Argentina (Salta and Jujuy) and western São Paulo.

<sup>1</sup> *Momotus nattereri*, specimens *a* and *b* of the Cat. Bds. Brit. Mus., **17**, p. 322 are listed as from Pernambuco, Brazil; there are no other records for a motmot of this genus for that state. Doubtless the locality given on the labels is incorrect.



## SUBORDER MEROPES

## FAMILY MEROPIDAE

GENUS **DICROCERCUS** CABANIS AND HEINE

*Dicrocercus* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1860), p. 136. Type, by monotypy, *Merops hirundinaceus* Vieillot = *Merops hirundineus* Lichtenstein.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 311-313.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 297-299.

C. H. B. Grant, Ibis, 1915, p. 292-294.

**Dicrocercus hirundineus chrysolaimus** (Jardine and Selby)

*Merops chrysolaimus* Jardine and Selby, Illustr. Orn., 2, 1830, pl. 99 and text. (Cape of Good Hope, Sierra Leone and the river Gambia = Sierra Leone.)

Savannas of Upper Guinea from Senegal to Lake Chad and the Shari River, south to the Ivory Coast, Nigeria and Cameroon.

**Dicrocercus hirundineus heuglini** Neumann

*Dicrocercus hirundineus heuglini* Neumann Bull. Brit. Orn. Cl., 16, 1906, p. 113. (Bongo, Bahr el Ghazal.)

*Dicrocercus hirundineus omoensis* Neumann, Bull. Brit. Orn. Cl., 16, 1906, p. 114. (Koscha, Omo River, Ethiopia.)

Upper White Nile and the Bahr el Ghazal east to the Omo River and south to the savannas of the upper Uelle and northern Uganda.

**Dicrocercus hirundineus hirundineus** (A. A. H. Lichtenstein)

*Merops hirundineus* A. A. H. Lichtenstein, Cat. Rer. nat. rar., 1793, p. 21, no. 213. (No locality = Orange River, South Africa, *ex* Levillant.)

*Merops furcatus* Anonymous = Stanley, in Salt's Voy. Abyssinia, 1814, App. IV, p. lvii. (Adowa, Ethiopia, error = Mozambique.)

Cuanza River, upper Katanga, the Kasai, west shore of Lake Tanganyika and Dar es Salaam, south to the Orange River and Natal.

GENUS **MELITTOPHAGUS** BOIE

*Melittophagus* Boie, Isis von Oken, 21, 1828, col. 316. Type, by subsequent designation, *Merops erythropterus* Gmelin = *Merops pusillus* Müller. (G. R. Gray, List Gen. Bds., 1840, p. 11.)

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 301-311.

Chapin, Bull. Am. Mus. Nat. Hist., 2, 1939, p. 300-310.

Friedmann, Bull. U. S. Nat. Mus., no. 153, 1930, p. 362-371.

C. H. B. Grant and Mackworth-Praed, Bull. Brit. Orn. Cl., 57, 1937, p. 128-130.

**Melittophagus revoilii** (Oustalet)

*Merops Revoilii* Oustalet, in Révoil's Faune et Flore des Pays  
Gomalis., 1882, Ois., p. 5, pl. 1. (Somaliland.)

Somaliland and the adjacent parts of Ethiopia and Kenya Colony.

**Melittophagus pusillus pusillus** (P. L. S. Müller)

*Merops pusillus* P. L. S. Müller, Natursyst., Suppl., 1776, p. 95.  
(Senegal.)

Senegal eastward to Lake Chad and extending into the Ituri district along the northern edge of the forest, south to the Gulf of Guinea and Cameroon.

**Melittophagus pusillus ocularis** Reichenow

*Melittophagus pusillus ocularis* Reichenow, Orn. Monatsb., 8, 1900,  
p. 86, in text. (Northeastern Africa from Nubia to the region  
of the Gazelle River; type said to be from Kordofan.)

Nubia and Eritrea south through western Ethiopia to the savannas of the upper Uelle and the Bahr el Ghazal.

**Melittophagus pusillus cyanostictus** (Cabanis)

*Merops cyanostictus* Cabanis, in von der Decken's Reisen Ost-Afr.,  
3, Abth. 1, 1869, p. 34. (Mombasa and Dschagga.)

*Melittophagus sharpei* Hartert, Bull. Brit. Orn. Cl., 10, 1899, p. xxvii.  
New name for *cyanostictus*.

Eastern Ethiopia and Somaliland south through the eastern portion of Kenya Colony and Tanganyika Territory to the Pangani River.

**Melittophagus pusillus meridionalis** Sharpe

*Melittophagus meridionalis* Sharpe, Cat. Bds. Brit. Mus., 17, 1892,  
p. 44 (in key), p. 45, pl. 1, f. 4. ("South-eastern Africa from Natal  
to the Zambesi, and thence to the Zanzibar district on the east  
coast and to Angola and the Lower Congo on the west"; restricted  
type locality, Pinetown, Natal.)

Africa south and east of the Equatorial forests from Landana, southern Congo, the Semliki valley and Tanganyika Territory (north to Dar es Salaam), south to Damaraland, Bechuanaland and Natal.

**?Melittophagus variegatus loringi** Mearns

*Melittophagus variegatus loringi* Mearns, Proc. U. S. Nat. Mus., 48,  
1915, p. 393. (Butiaba, Lake Albert, Uganda.)

Africa north of the Congo forest belt from Cameroon to Uganda and the Kavirondo district, southward along the eastern forest border to Rutshuru and Uganda. Doubtfully distinct from *M. v. variegatus*.

**Melittophagus variegatus variegatus** (Vieillot)

*Merops variegatus* Vieillot, Nouv. Dict. Hist. Nat., 14, 1817, p. 25.  
(Malimbe, Portuguese Congo.)

Africa south of the Congo forest belt from Gaboon to Angola and eastward to the Ruzizi Valley.

**Melittophagus variegatus bangweoloensis** C. H. B. Grant

*Melittophagus variegatus bangweoloensis* C. H. B. Grant, Bull. Brit. Orn. Cl., **35**, 1915, p. 55. (Luena district, north-eastern Rhodesia.)

Belgian Congo and Northern Rhodesia from the Katanga to the country east of Lake Bangweolo.

**Melittophagus lafresnayii lafresnayii** (Guérin)

*Merops Lafresnayii* Guérin, Rev. Zool., 1843, p. 322. (Ethiopia.)

Highlands of Eritrea and Ethiopia south to the Lake region and Gallaland.<sup>1</sup>

**Melittophagus lafresnayii oreobates** Sharpe

*Melittophagus oreobates* Sharpe, Ibis, 1892, p. 320. (Savé [*i.e.* Sabe], 6000 feet, and Kimangishi, Mt. Elgon, East Africa.)

Highlands of East Africa from Mt. Elgon and Lake Rudolf south to the Kivu district, highlands northwest and east of Lake Tanganyika, and the Usambara Mountains.

**Melittophagus bullockoides** (A. Smith)<sup>2</sup>

*Merops Bullockoides* A. Smith, So. Afr. Quart. Journ. (2), 1834, p. 320. (South Africa, restricted to the Marico district, Transvaal, by Grant and Praed, Bull. Brit. Orn. Cl., **57**, 1937, p. 129.)

Cape Lopez, the lower Congo, the Kivu district and northeastern Kenya Colony, south to northern Angola and Natal.

**Melittophagus bulocki bulocki** (Vieillot)

*Merops Bulocki* [sic] Vieillot, Nouv. Dict. Hist. Nat., **14**, 1817, p. 13. (Senegal.)

West Africa from Senegal to the Shari River, south to Portuguese Guinea, northern territories of Gold Coast, and northern Cameroon.

**Melittophagus bulocki frenatus** (Hartlaub)

*Merops frenatus* Hartlaub, Journ. f. Orn., **2**, 1854, p. 257. (Sennar.)

*Merops Boleslavskii* Pelzeln, Sitzungsab. Akad. Wiss. Wien, Math.-Naturwiss. Cl., **31**, 1858, p. 320. (Sennar, on the White Nile.)

Sennar east to the region of the Blue Nile, south to the Uelle district and northern Uganda.

<sup>1</sup> I do not agree with Grant and Mackworth-Praed, *antea*, that *lafresnayii* is a race of *variegatus* and that *oreobates* is a distinct species.

<sup>2</sup> Replaces *Melittophagus albifrons* (Cabanis and Heine), 1863, of Sharpe's Hand-list.

**Melittophagus gularis gularis** (Shaw)

*Merops gularis* Shaw, Nat. Misc., 9, [1798], text to pl. 337. (Sierra Leone.)

*Melittophagus gularis typicus* Forbes and Robinson, Bull. Liverpool Mus., 2, 1899, p. 30, in text.

Sierra Leone through the forests of upper Guinea to the Niger River.

**Melittophagus gularis australis** (Reichenow)

*Meropiscus australis* Reichenow, Journ. f. Orn., 33, 1885, p. 222. (Angola and Congo.)

*Melittophagus gularis* subsp. *gabonensis* Forbes and Robinson; Bull. Liverpool Mus., 2, 1899, p. 30. (Gaboon and Liberia.)

Forested parts of central Africa from Cameroon eastward across the northern Belgian Congo to western Uganda and south to northern Angola and the central Kasai district.

**Melittophagus mülleri mentalis** (Cabanis)

*Merops mentalis* Cabanis, Journ. f. Orn., 78, 1889, p. 78. (Cameroon.)

*Merops northcotti* Sharpe, Bull. Brit. Orn. Cl., 10, 1900, p. xlix. (Gold Coast.)

*Merops marionis* Alexander, Bull. Brit. Orn. Cl., 13, 1903, p. 33. (Bakaki, Fernando Po.)

Forests of Sierra Leone, Liberia, French Guinea, Gold Coast Colony and coastal district of Cameroon; Island of Fernando Po.

**Melittophagus mülleri mülleri** (Cassin)

*Meropiscus Mülleri* Cassin, Proc. Acad. Nat. Sci. Phila., 1857, p. 37. (Muni River, Gaboon.)

*Merops batesiana* Sharpe, Bull. Brit. Orn. Cl., 10, 1900, p. xlviii. (Rio Benito, French Congo.)

Southern Cameroon eastward across the Equatorial forest to the Ituri district and Semliki Valley, and south to Rio Muni, the Kasai, and the forested Manyema district.

**?Melittophagus mülleri yalensis** van Someren

*Melittophagus mülleri yalensis* van Someren, Bull. Brit. Orn. Cl., 40, 1919, p. 26. (Nyarondo, Kenya Colony.)

Uganda and western Kenya Colony. Doubtfully distinct from *M. m. mülleri*.

NOTE. — *Merops badius* L. var.  $\beta$  *Merops Adansonii* "Vail. 13" Kuhl, Buffoni et Daubentoni Fig. Av. Col. Nom. Syst., 1820, p. 6 — (Senegal, based on Daubenton, Pl. enlum. no. 314 and Levaillant, Hist. Nat. Guépriers, pl. 13) has never been satisfactorily identified with any

known bird. Prof. Neumann (Journ. f. Orn., **65**, 1917, Bd. 2, p. 212 and *in litt.*) suggests that it possibly represents the species later called *Melittophagus mülleri* (Cassin) or an allied form. There are too many discrepancies to permit the adoption of this view. The bird pictured is clearly a *Merops*, perhaps an artefact, but more probably the original sources of the name were based on a description drawn from memory. The name must be regarded as unidentifiable and is mentioned here chiefly because it does not appear in the Cat. Bds. Brit. Mus. or in Sherborn's Index Animalium.

GENUS **AEROPS** REICHENBACH

*Aerops* Reichenbach, Handb. spec. Orn., Meropinae, 1852, p. 82.

Type, by monotypy, *Merops albicollis* Vieillot.

*Micromerops* Roberts, Ann. Transvaal Mus., **8**, 1922, p. 215. Type, by original designation, *Merops boehmi* Reichenow.

cf. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 298-300.

Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 311-314.

Zedlitz, Journ. f. Orn., **63**, 1915, p. 32-33.

***Aerops albicollis*** (Vieillot)

*Merops albicollis* Vieillot, Nouv. Dict. Hist. Nat., **14**, 1817, p. 15. (Senegal.)

*Aerops albicollis maior* Parrot, Orn. Monatsb., **18**, 1910, p. 12. (Bagamoyo, Tanganyika Territory.)

Breeds (probably) from Senegal across the southern Sahara to Eritrea and southwestern Arabia; Somaliland. Migrates to Angola, the Kivu district, Uganda and Tanganyika Territory.<sup>1</sup>

***Aerops boehmi*** (Reichenow)

*Merops (Melittophagus) boehmi* Reichenow, Orn. Centralbl., **7**, 1882, p. 62. (Bumi, Tanganyika Territory.)

Southeast border of Belgian Congo, western Tanganyika Territory, and the Usambara region south to the lower Shiré River and the middle Zambesi.

GENUS **MEROPS** LINNÉ

*Merops* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 117. Type, by tautonymy, *Merops apiaster* Linné (*Merops*, prebinomial specific name in synonymy).

<sup>1</sup> While it is possible to distinguish the extreme size variants occurring at opposite ends of the range of the species, such large numbers of intermediates are found, that no useful purpose is served in subdividing the species in the absence of any characters other than size.

- cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 232-241.  
 Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 281-296.  
 Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 314-322.  
 Chasen, Bull. Raffles Mus., no. 11, 1935, p. 109-110.  
 Delacour and Jabouille, Ois. Indochine Franç., **2**, 1931, p. 300-305.  
 Hachisuka, Bds. Phil. Ids., **2**, 1934, p. 168-171.  
 Hartert, Vög. pal. Fauna, **2**, 1912, p. 858-865.  
 Mathews, Bds. Austr., **7**, 1918, p. 205-218.

### **Merops leschenaulti leschenaulti Vieillot**

*Merops Leschenaulti* Vieillot,<sup>1</sup> Nouv. Dict. Hist. Nat., **14**, 1817, p. 17.  
 (Java, error = Ceylon.)

West coast of India, the Himalayan Terai, eastern Bengal, Orissa, Assam, Burma, Malay Peninsula, Yunnan, Siam, French Indochina, Ceylon, Andaman Islands.

### **Merops leschenaulti quinticolor Vieillot**

*Merops quinticolor* Vieillot, Nouv. Dict. Hist. Nat., **14**, 1817, p. 21.  
 (Ceylon, error = Java.)

Java and Bali.

### **Merops apiaster Linné**

*Merops Apiaster* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 117. ("Europa australi; Oriente.")

Breeds from the Iberian Peninsula, southern France, northern Italy, Yugoslavia, Romania, southern Russia, the Aral Sea and western Siberia, south to (including islands in the Mediterranean Sea) Morocco, Tunisia, Palestine, Iran, Baluchistan and Kashmir. Winters in Africa as far as Cape Province; also in southern Arabia and north-western India. Occurs on the eastern Atlantic islands during migration; casual in central and northern Europe.

### **Merops superciliosus persicus Pallas**

*Merops persica* Pallas, Reise versch. Prov. Russ. Reichs, **2**, 1773, p. 708. (Shores of the Caspian Sea.)

*Merops persicus erythraeus* Moltoni, Atti Soc. Ital. Sci. Nat. Milano, **67**, 1928, p. 179, pl. 4. (Cunama region, Eritrea.)

Breeds from Palestine, Iran, Transcaspia and western Turkestan, south to Egypt, Iraq, Baluchistan and northwestern India. On migration to the northwestern provinces of India, Arabia and the Nile valley, wintering in tropical and southern Africa.

<sup>1</sup> Replaces *Melittophagus swinhoei* (Hume), 1873, of Sharpe's Hand-list. *Merops erythrocephalus* Gmelin, 1788, is indeterminable. See Whistler and Kinnear, Journ. Bombay Nat. Hist. Soc., **37**, 1935, p. 758.

**Merops superciliosus chrysocercus** Cabanis and Heine

*Merops chrysocercus* Cabanis and Heine, Mus. Hein., Th. 2, 1860, p. 139. (Senegal.)

*Merops persicus saharae* Neumann, Orn. Monatsb., 16, 1908, p. 28. (Toka, Lake Chad.)

Breeds in southern Algeria and southern Tunisia. Winters in West Africa from Senegal and Lake Chad south to the Gulf of Guinea and Cameroon; São Tomé Island.

**Merops superciliosus superciliosus** Linné

*Merops superciliosus* Linné, Syst. Nat., ed. 12, 1, 1766, p. 183. (Madagascar.)

*Merops ruficapillus* Vieillot, Nouv. Dict. Hist. Nat., 14, 1817, p. 23. (Africa, based on pl. 19 of Levaillant's Ois. de Paradis; restricted to Dar es Salaam by Friedmann and Loveridge, Bull. Mus. Comp. Zool., 81, 1937, p. 152.)

*Merops superciliosus donaldsoni* Oberholser, Proc. U. S. Nat. Mus. 27, 1904, p. 737. (Bar Madu, Ganana River, Somaliland.)

Breeds in Madagascar and in East Africa on Pemba Island and near Beira; once recorded as breeding near Kano, Kavirondo district, Kenya Colony; occurs on the Comoro Islands and as a migrant in Africa from Eritrea to Mozambique and west to Lake Albert and southern Angola.

**Merops superciliosus philippinus** Linné

*Merops philippinus* Linné, Syst. Nat., ed. 12, 1, 1766, errata at end of volume; name for *Merops* 5th sp., p. 183. (Philippine Islands.)

*Merops Javanicus* Horsfield, Trans. Linn. Soc. London, 13, pt. 1, 1821, p. 171. (Java.)

Breeds<sup>1</sup> in India, Burma, and southeastern China in provinces of Yunnan and Kwangtung; Siam, northern Malay Peninsula, French Indochina; Andaman Islands? Winter visitor to Ceylon, Sumatra, Rhio Archipelago, Simalur, Nias, Siberut, Pagi Islands, Borneo, Philippines, Java, Bali, Kangean Islands, Lombok, Sumbawa, Flores, Timor and Celebes.

**Merops superciliosus salvadorii** A. B. Meyer

*Merops Salvadorii* A. B. Meyer, Ibis, 1891, p. 294. (North coast of New Britain.)

New Britain, Long Island; locally distributed on the northern and southern coasts of eastern New Guinea.

<sup>1</sup> Most instances of occurrence outside of the known breeding range appear to be due to an influx of migrants; the race however may breed in the Philippines and in the mountains of Celebes.

***Merops ornatus* Latham**

*Merops ornatus* Latham, Index Orn., Suppl., 1801, p. xxxv. (New South Wales.)

*Merops ornatus* Lath. var. *sumbaënsis*? A. B. Meyer, Sitzungsab. und Abh. Naturwiss. Ges. Isis Dresden, 1884, Abh. p. 19. (Sumba Island.)

*Merops ornatus shortridgei* Mathews, Nov. Zool., **18**, 1912, p. 290. (Strelly River, West Australia.)

Breeds in Australia and in Moa in the Southwestern Islands. On migration or wintering in the Lesser Sunda Islands, Celebes, the Papuan region, Bismarck Archipelago and the Solomon Islands.

***Merops orientalis viridissimus* Swainson**

*Merops viridissimus* Swainson, Bds. W. Afr., **2**, 1837, p. 82. (Senegal.)

*Merops viridis reichenowi* Parrot, Orn. Monatsb., **18**, 1910, p. 13. (Salomona, Eritrea.)

Senegal and Gambia eastward across the "Sudanese arid belt" to Eritrea and Ethiopia, south to lat. 9° N.

***Merops orientalis cleopatra* Nicoll**

*Merops viridis cleopatra* Nicoll, Bull. Brit. Orn. Cl., **27**, 1910, p. 11. (Mazghouna, near Cairo, Egypt.)

Egypt in the Nile valley from Cairo to Wadi Halfa.

***Merops orientalis cyanophrys* (Cabanis and Heine)**

*Philothrus cyanophrys* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60, (1860), p. 137. (Arabia = Mtns. of Qonfudah [Kunfuda of Bates 1935; Al Qunfidha of the Nat. Geogr. Soc. map of 1933] ex Heuglin, Orn. Nord-Ost. Afr., p. 204.)

*Merops orientalis meccanus* Bates, Bull. Brit. Orn. Cl., **55**, 1934, p. 21. (Tarith, Wadi Fatima, near Mecca, Arabia.) See also Bates, *op. cit.*, **56**, 1935, p. 9.

Western Arabia from Medina to Asir. (Birds from Yemen and Aden Protectorate, usually referred here, may be identifiable as *muscatensis*.)

***Merops orientalis muscatensis* Sharpe**

*Merops muscatensis* Sharpe, Ibis, 1886, p. 15, 165. (Masqat, Arabia.) Southeastern Arabia (Masqat); perhaps also southwestern Arabia.

***Merops orientalis najdanus* Bates**

*Merops orientalis najdanus* Bates, Bull. Brit. Orn. Cl., **56**, 1935, p. 9. (Riyadh, Arabia.)

Central Arabia from Wadi Rima to Riyadh and Kharj.



***Merops orientalis beludschicus* Neumann**

*Merops viridis beludschicus* Neumann, Orn. Monatsb., **18**, 1910, p. 80.  
(Sarbac, Persian Baluchistan.)

Southeastern Iran, Baluchistan, Sind and northwestern India south to Lower Punjab and Jodhpur; southern Iraq (?).

***Merops orientalis orientalis* Latham**

*Merops orientalis* Latham, Index Orn., Suppl., 1801, p. xxxiii.  
(India = Mahratta, *ex* Gen. Syn., Suppl. 2, p. 152, no. 7.)<sup>1</sup>

India (except parts occupied by *beludschicus* and *birmanus*); Ceylon.

***Merops orientalis birmanus* Neumann**

*Merops ferrugiceps* Hodgson, in J. E. Gray's Zool. Misc., 1844, p. 82, *nomen nudum*; cited in synonymy of *Merops viridis* [*i.e. orientalis*] by G. R. Gray, List spec. Bds. Brit. Mus., pt. 2, 1848, p. 69.

*Merops ferrugiceps* J. Anderson, Anat. and Zool. Res., 1878, p. 582, in text. (Upper Burma and Sanda.) First description.

*Merops viridis birmanus* Neumann, Orn. Monatsb., **18**, 1910, p. 80.  
(Myingan, Irawaddy River, Burma.)

Assam, Burma, Shan States, Yunnan, Siam, Indochina (except Tonkin).

***Merops viridis viridis* Linné**

*Merops viridis* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 117. (Java, Bengal; restricted type locality, Java, from the 1st reference; Hartert *antea*, p. 863, note.)

*Merops sumatranus* Raffles, Trans. Linn. Soc. London, **13**, pt. 2, 1822, p. 294. (Sumatra.)

*Merops sumatranus coeligenus* Bangs and Penard, Proc. New England Zool. Cl., **8**, 1923, p. 43. (Pelaboean Ratoe, Java.)

Southeastern China (summer) in provinces of Fohkien, Kwangtung and Kiangsi; Island of Hainan; Siam, Indochina, Malay Peninsula, Sumatra, Rhio Archipelago, Nias, Banka, Billiton, Borneo, North Natuna Islands, Java, Karimata Islands.

***Merops viridis americanus* P. L. S. Müller**

*Merops americanus* P. L. S. Müller, Natursyst., Suppl., 1776, p. 95.  
("Isle de France" error = Philippine Islands.<sup>2</sup>)

Philippine Islands.

***Merops malimbicus* Shaw**

*Merops malimbicus* Shaw, Nat. Misc., **17**, [1806], text to pl. 701.  
(Malimbe, Portuguese Congo.)

<sup>1</sup> Replaces *Merops viridis* Linné of Sharpe's Hand-list.

<sup>2</sup> Replaces *Merops bicolor* Boddaert, 1783, of Sharpe's Hand-list.

Locally distributed from Gold Coast Colony to the upper Congo, and south to the lower Congo and the Kasai; not recorded from Cameroon and absent from the Equatorial forest except along broad rivers.

**Merops nubicus** Gmelin

*Merops nubicus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 464. (Nubia.)

Breeds locally along rivers and watercourses in the thorn scrub belt from Senegal to Eritrea and Ethiopia, south to the northern border of the forests and to the Rufiji Valley in Tanganyika Territory; partially migratory within its range.

**Merops nubicoides** Des Murs and Pucheran

*Merops nubicoides* Des Murs and Pucheran, Rev. Zool., 1846, p. 243.  
(Port Natal, error = Ouri River, Transvaal.)

Southern Congo, Ruzizi Valley and Nyasaland, south to northern Damaraland, Transvaal and Natal.

GENUS **BOMBYLONAX** HEINE

*Bombylonax* Heine, Journ. f. Orn., 7, 1859, p. 434. Type, by monotypy, *Meropogon breweri* Cassin.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 296-298.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 310-311.

**Bombylonax breweri** (Cassin)

*Meropogon Breweri* Cassin, Proc. Acad. Nat. Sci. Phila., 1859, p. 34.  
(Ogobai River, Gaboon.)

The upper Sanga River eastward to the Uelle and Aruwimi rivers and southward to the mouth of the Congo and the Kasai district.

GENUS **NYCTYORNIS** JARDINE AND SELBY

*Nyctyornis* Swainson MS.<sup>1</sup> Jardine and Selby, Illustr. Orn., 2, 1830.  
Addenda, sign. D 2. Type, by diagnosis, *Merops amictus* Temminck.

*Nyctiornis* Swainson, Zool. Illustr. (2), 2, 1831, text to pl. 56.<sup>2</sup>  
Type, by monotypy, *Merops amictus* Temminck.

*Nyctinomus* Swainson, Zool. Illustr. (2), 2, 1831, pl. 56. Type, by monotypy, *Nyctinomus amictus* [Temminck]. Not *Nyctinomus* Oken, 1816 (Mammalia).

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 242-244  
(sub nom. *Bucia* Hodgson, 1836).

Delacour and Jabouille, Ois. Indochine Franç., 2, 1931, p. 305-306 (sub nom. *Alcemerops* Geoffroy Saint-Hilaire, 1832).

<sup>1</sup> Not preoccupied by *Nyctornis* Nitzsch, 1829 (Caprimulgidae).

<sup>2</sup> The plate is lettered *Nyctinomus amictus*.

**Nyctyornis amicta** (Temminck)

*Merops amictus* Temminck, Pl. col., livr. 52, 1824, pl. 310. (Bencoolen, Sumatra.)

Tenasserim, Malay Peninsula, Sumatra, Banka and Borneo.

**Nyctyornis athertoni athertoni** (Jardine and Selby)

*Merops athertoni* Jardine and Selby, Illustr. Orn., 2, 1830, pl. 58 and text. (India = near Bangalore.)

India from Belgaum to Travancore and from the lower Himalayas to Assam, eastern Bengal, Burma, Siam and Indochina.

**Nyctyornis athertoni brevicaudata** (Koelz)

*Alcemerops athertoni brevicaudata* Koelz, Proc. Biol. Soc. Wash., 52, 1939, p. 79. (Cheteriana, Hainan.)

Confined to the Island of Hainan.

GENUS **MEROPOGON** BONAPARTE

*Meropogon* Bonaparte, Consp. Av., 1, 1850, p. 164. Type, by monotypy, *Meropogon forsteni* Bonaparte.

cf. Stresemann, Journ. f. Orn., 88, 1940, p. 405-407.

**Meropogon forsteni** Bonaparte

*Meropogon forsteni* Temm. Bonaparte, Consp. Av., 1, 1850, p. 164. (Celebes.)

*Meropogon forsteni centralis* A. B. Meyer, Notes Leyden Mus., 23, 1903, p. 186. (Takala Mts., 1600 metres, Celebes.)

Locally distributed in northern, north-central, central and south-eastern Celebes.

SUBORDER **CORACII**FAMILY **LEPTOSOMATIDAE**GENUS **LEPTOSOMUS** VIEILLOT

*Leptosomus* Vieillot, Analyse, 1816, p. 28. Type, by monotypy, Vouroudriou de Madagascar of Buffon = *Cuculus discolor* Hermann.

cf. Salomonsen, Ibis, 1934, p. 384-386.

**Leptosomus discolor gracilis** Milne-Edwards and Oustalet

*Leptosomus gracilis* Milne-Edwards and Oustalet, Compt. Rend. Acad. Sci. Paris, 101, 1885, p. 220. (Grand Comoro Island.)

Grand Comoro Island.

**Leptosomus discolor intermedius** Hartert and Neumann

*Leptosomus discolor intermedius* Hartert and Neumann, Nov. Zool., 31, 1924, p. 116. (Anjouan Island.)

*Leptosomus discolor anjouanensis* Salomonsen, Ibis, 1934, p. 384. (Anjouan Island.)

Anjouan Island.

**Leptosomus discolor discolor** (Hermann)

*Cuculus discolor* Hermann. Tabl. Affin. Anim., 1783, p. 186. (Based on the Vouroudriou of Buffon, Madagascar.)

Mayotte and Madagascar.

## FAMILY CORACIIDAE

## SUBFAMILY BRACHYPTERACIINAE

GENUS BRACHYPTERACIAS LAFRESNAYE<sup>1</sup>

*Brachypteracias* Lafresnaye, Mag. Zool., 4, 1834, cl. 2, text to pl. 31 and 32. Type, by subsequent designation, *B. leptosomus* (Lesson). (Gray, List Gen. Bds., 1840, p. 9.)

*Geoblastes* Sharpe, Ibis, 1871, p. 281. Type, by monotypy, *Brachypteracias squamigera* Lafresnaye.

cf. Delacour, Ois. et Rev. Franç. d'Orn. (n.s.), 2, 1932, p. 51-52.  
Rand, Bull. Am. Mus. Nat. Hist., 72, 1936, p. 418-419.

**Brachypteracias leptosomus** (Lesson)

*Colaris leptosomus* Lesson, Illustr. Zool., 1832 (1833), text to pl. 20. (Madagascar.)

Madagascar in the central and northern sections of the eastern forest region.

**Brachypteracias squamigera** Lafresnaye

*Brachypteracias squamigera* Lafresnaye, Rev. Zool., 1838, p. 224. (Madagascar.)

Madagascar, in the central and northern sections of the eastern forest region.

GENUS ATELORNIS PUCHERAN<sup>2</sup>

*Atelornis* Pucheran, Rev. Zool., 1846, p. 200. Type, by subsequent designation, *Brachypteracias pittoides* Lafresnaye. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 13.)

<sup>1</sup> Includes *Atelornis* of authors, not of Pucheran.

<sup>2</sup> Replaces "*Coracopitta*" (recte *Corapitta*) Bonaparte, 1854, of Sharpe's Hand-list.

- cf. Delacour, Ois. et Rev. Franç. d'Orn. (n.s.), **2**, 1932, p. 52.  
Rand, Bull. Am. Mus. Nat. Hist., **72**, 1936, p. 419-420.

**Atelornis pittoides** (Lafresnaye)

*Brachypteracias pittoides* Lafresnaye, Mag. Zool., **4**, 1834, cl. 2,  
pl. 32 and text. (Madagascar.)

Madagascar.

**Atelornis crossleyi** Sharpe

*Atelornis crossleyi* Sharpe, Proc. Zool. Soc. London, 1875, p. 74,  
pl. 14. (Ampasmonhavo, Madagascar.)

Madagascar in the central and northern parts of the eastern forest  
region.

GENUS **URATELORNIS** ROTHSCILD

- Uratelornis* Rothschild, Nov. Zool., **2**, 1895, p. 479. Type, by original designation and monotypy, *Uratelornis chimaera* Rothschild.  
cf. Delacour, Ois. et Rev. Franç. d'Orn. (n.s.), **2**, 1932, p. 52.  
Rand, Bull. Am. Mus. Nat. Hist., **72**, 1936, p. 420-421.

**Uratelornis chimaera** Rothschild

*Uratelornis chimaera* Rothschild, Nov. Zool., **2**, 1895, p. 479.  
(Madagascar.) Col. pl., Nov. Zool., **3**, 1896, pl. 2.  
Southwestern Madagascar.

SUBFAMILY **CORACIINAE**

GENUS **CORACIAS** LINNÉ

- Coracias* Linné, Syst. Nat., ed. 10, **1**, 1758, p. 107. Type, by subsequent designation, *Coracias garrulus* Linné. (Gray, Cat. Gen. Subgen. Bds., 1855, p. 13<sup>1</sup>).  
*Eucoracias* Roberts, Ann. Transvaal Mus., **8**, 1922, p. 213. Type, by original designation, *Coracias mosambicus* Dresser.  
*Trimenornis* Roberts, Ann. Transvaal Mus., **8**, 1922, p. 213. Type, by original designation, *Coracias spatulatus* Trimen.  
cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 222-227.  
Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 207-216.  
Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 253-258.  
Friedmann, Bull. U. S. Nat. Mus., no. 153, 1930, p. 371-379.  
Hartert, Vög. pal. Fauna, **2**, 1912, p. 871-874.  
Jackson and Sclater, Bds. Kenya Colony and Uganda Prot., **2**, 1938, p. 546-551.  
Stresemann, Journ. f. Orn., **88**, 1940, p. 420-422.

<sup>1</sup> In List Gen. Bds., 1840 and ed. 2, 1841, Gray designates *Coracias abyssinica* Gm. as type of the genus, a designation that is invalid since this was not one of the originally included species.

***Coracias garrulus garrulus* Linné**

*Coracias Garrulus* Linné, Syst. Nat., ed. 10, 1, 1758, p. 107. (Europe, restricted type locality, Sweden.)

*Coracias garrulus caucasicus* Buturlin, Orn. Mitt., 1, 1910, p. 190, 192. (Aresh district, Elisabethpolsk Gouvernement, Caucasus.)

Breeds in Europe and western Asia, north to lat. 61° N. in Scandinavia, 60° in western Russia, 55° in eastern Russia, southwestern Siberia, eastward to the Altai; south to Morocco, Tunisia, Palestine, northwestern Iran and the Kirghiz Steppes. Winters in tropical and South Africa; on migration recorded from the British Isles, Canary Islands, islands in the Mediterranean Sea, northeastern Africa and southwestern Asia.

***Coracias garrulus semenowi* Loudon and Tschudi**

*Coracias garrulus semenowi* Loudon and Tschudi, Orn. Jahrb., 13, 1902, p. 148. (Transcaspia.)

Transcaspia, Turkestan and the western Tian Shan south to Iran (thence eastward to Iraq and perhaps the Jordan Valley) and northwestern India.

***Coracias abyssinica* Hermann**

*Coracias abyssinica* Hermann, Tabl. Affin. Anim., 1783, p. 197. (Ethiopia.)

*Coracias abyssinicus* var. *arabica* Reichenow, Vög. Afr., 2, 1902, p. 220. (Arabia.)

*Coracias abyssinus minor* Neumann, Journ. f. Orn., 65, 1917, Bd. 2, p. 201. (Senegal.)

Drier parts of tropical Africa from Senegal eastward across the French Sudan, Darfur, the Anglo-Egyptian Sudan and Eritrea to southwestern Arabia, south to Sierra Leone, Nigeria, the Ubangi, the Uelle district, northern Uganda, northwestern Kenya and western Somaliland.

***Coracias caudata lorti* Shelley**

*Coracias lorti* Shelley, Ibis, 1885, p. 399. (Plateau south of Berbera, Somaliland.)

*Coracias kovácsi* Madarász, Bull. Brit. Orn. Cl., 29, 1911, p. 13. (Valley of the Urso, southern Ethiopia.)

Southern Ethiopian Lake region to Somaliland and south to Kenya Colony (Ukamba).

***Coracias caudata caudata* Linné**

*Coracias caudata* Linné, Syst. Nat., ed. 12, 1, 1766, p. 160. (Angola.)

*Coracias caudatus suahelicus* Neumann, Journ. f. Orn., 55, 1907, p. 593. (Muini, Usagara, central Tanganyika Territory.)

Northern Angola, southeastern Congo, Ankole, and Kenya Colony, south to northern South-West Africa, the Vaal River and Natal; islands of Zanzibar and Mafia.

**Coracias spatulata** Trimen

*Coracias spatulatus* Trimen, Proc. Zool. Soc. London, 1 June, 1880, p. 31. (Leshumo Valley, near Victoria Falls, Rhodesia.)

*Coracias dispar* Bocage, Jorn. Sci. Math. Phys. e Nat., Acad. Real Sci. Lisboa, 7, after 7 May, 1880, p. 227. (Caconda, Benguela.)

*Coracias Weigalli* Dresser, Ann. and Mag. Nat. Hist. (6), 6, 1890, p. 351. (Newala, East Africa.)

Northern Angola, the Katanga and Tanganyika Territory, south to Mossamedes, southern Rhodesia and Mozambique.

**Coracias noevia noevia** Daudin

*Coracias nævia* "Lacépède" Daudin, Traité d'Orn., 2, 1800, p. 258. (Senegal.)

*Coracias naevius sharpei* Reichenow, Orn. Monatsb., 7, 1899, p. 192. (Ussandaui and Igonda, Tanganyika Territory.)

Senegal eastward across the Anglo-Egyptian Sudan to Eritrea and south to the northern edge of the West African forest belt, northern Uganda and central Tanganyika Territory.

**Coracias noevia mosambica** Dresser

*Coracias mosambicus* Dresser, Ibis, 1890, p. 386. ("South Africa generally".)

*Coracias olivaceiceps* Sharpe, Cat. Bds. Brit. Mus., 17, 1892, p. 10 (in key), p. 25. (South Africa from the Orange River to the Zambesi on the east and to Angola on the west.)

Angola, Lomami district, Katanga and Lake Bangweolo, south to eastern Cape Province and the Orange River.

**Coracias benghalensis benghalensis** (Linné)

*Corvus benghalensis* Linné, Syst. Nat., ed. 10, 1, 1758, p. 106. (Bengal, i.e. Madras *fide* Hartert.)

Eastern Arabia, southern Iran, Baluchistan, the Punjab, and the Indian Peninsula south to about lat. 20° N. Intergrades with *C. b. affinis* in Nepal, Sikkim and near Calcutta.

**Coracias benghalensis indica** Linné

*Coracias indica* Linné, Syst. Nat., ed. 12, 1, 1766, p. 159. (East Indies, = Ceylon, *ex* Edwards.)

Indian Peninsula south of lat. 20° N.; Island of Ceylon.

**Coracias benghalensis affinis** McClelland

*Coracias affinis* McClelland, Proc. Zool. Soc. London, pt. 7, 1839 (1840), p. 164. (Assam.)

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*Coracias affinis theresiae* Parrot, Verh. Orn. Ges. Bayern, **8**, 1908, p. 113. (Siam.)

Bhutan, Assam and Yunnan, south to the Malay Peninsula, Siam and east over all of Indochina.

### **Coracias temminckii** (Vieillot)

*Garrulus Temminckii* Vieillot, Nouv. Dict. Hist. Nat., **29**, 1819, p. 435. (India = Celebes.)

Celebes, Buton, Muna.

### **Coracias cyanogaster** Cuvier

*Coracias cyanogaster* Cuvier, Règne Anim., **1**, 1817 (1816), p. 401, note 2. Ex LeVaillant, Ois. de Paradis, pl. 26. (Java, error = Senegal.)

Senegal; Portuguese Guinea, eastward to the interior districts of Gold Coast, Togoland and the Ubangi-Shari; recorded from the Bahr el Jebel.

## GENUS EURYSTOMUS VIEILLOT

*Eurystomus* Vieillot, Analyse, 1816, p. 37. Type, by monotypy, Rolle des Indes, Buffon = *Coracias orientalis* Linné.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 228-231. Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 259-267.

Mackworth-Praed and Grant, Ibis, 1937, p. 663-664 (races of *glaucurus*).

Stresemann, Nov. Zool., **20**, 1913, p. 297-303 (races of *orientalis*.)

Ripley, Proc. Biol. Soc. Washington, **55**, 1942, p. 169-176 (races of *orientalis*).

### **Eurystomus glaucurus afer** (Latham)

*Coracias afra* Latham, Index Orn., **1**, 1790, p. 172. (Africa = Senegal.)

Senegal to Darfur and south to the lower Congo and northern Kasai.

### **Eurystomus glaucurus aethiopicus** Neumann

*Eurystomus afer aethiopicus* Neumann, Journ. f. Orn., **53**, 1905, p. 184. (Schenkho, upper Gelo River, Ethiopia.)

*Eurystomus afer praedi* Bannerman, Bull. Brit. Orn. Cl., **41**, 1921, p. 70. (Guatti, Ethiopia.)

Ethiopia and the upper reaches of the Blue Nile in the Sudan, probably also northern Uganda; intergrades with the next race in the Uelle district of the Belgian Congo.



**Eurystomus glaucurus rufobuccalis** Reichenow

*Eurystomus afer* var. *rufobuccalis* Reichenow, Journ. f. Orn., **40**, 1892, p. 27. (Manjonjo, Uganda.)

Northeastern Belgian Congo, and Uganda (except northern).

**Eurystomus glaucurus suahelicus** Neumann

*Eurystomus afer suahelicus* Neumann, Journ. f. Orn., **53**, 1905, p. 186. (Tschara, Tana River, Kenya Colony.)

Eastern Belgian Congo, Lake Kivu and the Juba River, south to Southern Rhodesia, Nyasaland and the Zambesi; islands of Zanzibar, Pemba and Mafia.

**Eurystomus glaucurus pulcherrimus** Neumann

*Eurystomus afer pulcherrimus* Neumann, Journ. f. Orn., **53**, 1905, p. 186. (Malandji, Angola.)

Angola, and the Kasai district of the Belgian Congo.

**Eurystomus glaucurus glaucurus** (P. L. S. Müller)

*Coracias glaucurus* P. L. S. Müller, Natursyst., Suppl., 1776, p. 86. (Madagascar.)

Breeds in Madagascar and on Anjouan Island; winters in eastern Africa west to the upper Uelle and the southern Belgian Congo; recorded from Pemba Island.

**Eurystomus gularis gularis** Vieillot

*Eurystomus gularis* Vieillot, Nouv. Dict. Sci. Nat., **29**, 1819, p. 426. ("Australasie," error = Senegal.)

West Africa from Senegal to Togoland; intergrading with the next race in the Beni forests.

**Eurystomus gularis neglectus** Neumann

*Eurystomus gularis neglectus* Neumann, Orn. Monatsb., **16**, 1908, p. 28. (Canhoça, Angola.)

Cameroon eastward to Uganda and south to northern Angola, the Kasai and the Ruzizi Valley.

**Eurystomus orientalis abundus** Ripley

*Eurystomus calornyx* [sic] Hodgson, in Gray's Zool. Misc., 1844, p. 82. *Nomen nudum*.

*Eurystomus calornyx* [sic] Hodgs. G. R. Gray, List Spec. Bds. Brit. Mus., Fissirostres, 1848, p. 32. In synonymy of *Eurystomus orientalis* (Linné).

*Eurystomus calornyx* Sharpe, Proc. Zool. Soc. London, 1890, p. 551. (Himalayan Terai from Kumaon to Darjeeling and Upper Assam.)

*Eurystomus orientalis abundus* Ripley, Proc. Biol. Soc. Wash., **55**, 1942, p. 170. (Nanking, China.)

Northern Cachar, Nepal, upper Assam, and from the lower Amur River to northern China, Manchuria, and Korea; on migration or in winter to India, southern China, Japan, Indochina, the Malay Peninsula, Sumatra and Simalur.

***Eurystomus orientalis deignani* Ripley**

*Eurystomus orientalis deignani* Ripley, Proc. Biol. Soc. Wash., **55**, 1942, p. 171. (Mu'ang Ngaup, Siam.)

Northern Siam; in migration to Sumatra, Nias, Java, Borneo and probably the Malay Peninsula.

***Eurystomus orientalis orientalis* (Linné)**

*Coracias orientalis* Linné, Syst. Nat., ed. 12, **1**, 1766, p. 159. ("India orientali" = Java, *apud* Stresemann.)

?*Eurystomus lætior* Sharpe, Proc. Zool. Soc. London, 1890, p. 551. (Forests of Malabar, the Nilgiris and Ceylon.)

Southern Malayas, Bengal south to Madras, Assam, Burma, central and southern Siam, Indochina and the Riu Kiu Islands, south to the Malay States, Sumatra and its western islands, Java, Bali, Borneo and the Philippines; in winter to Great Sanghir Island, northern Celebes and Halmahera.

***Eurystomus orientalis gigas* Stresemann**

*Eurystomus orientalis gigas* Stresemann, Nov. Zool., **20**, 1913, p. 297 (in key), p. 299. (Rutland Island, Andaman Islands.)

South Andaman Islands.

***Eurystomus orientalis oberholseri* Junge**

*Eurystomus orientalis oberholseri* Junge, Temminckia, **1**, 1936, p. 30, pl. 1. (Sinabang, Simalur Island.)

Simalur Island.

***Eurystomus orientalis connectens* Stresemann**

*Eurystomus orientalis connectens* Stresemann, Nov. Zool., **20**, 1913, p. 298 (in key), p. 302. (Moa.)

South Peninsula of Celebes, Muna Island, Tukang Besi Islands; Djampea; Bonerate; Kalaotowa; Kangean Islands; Lesser Sunda Islands from Lombok to Damar; Southeastern Islands.

***Eurystomus orientalis azureus* G. R. Gray**

*Eurystomus azureus* G. R. Gray, Proc. Zool. Soc. London, 1860, p. 346. (Batjan.)

Northern Moluccas: Halmahera, Ternate, Tidore, Batjan.

**Eurystomus orientalis waigiouensis** Elliot

*Eurystomus waigiouensis* Elliot, Ibis, 1871, p. 203. (Waigeu.)

Western Papuan Islands; Jobi, New Guinea, Karkar Island, Rook Island, Trobriand Islands; D'Entrecasteaux and Louisiade Archipelagos.

**Eurystomus orientalis pacificus** (Latham)

*Coracias pacifica* Latham, Index Orn., Suppl., 1801, p. xxvii. (Australia.)<sup>1</sup>

*Eurystomus orientalis bravi* Mathews, Nov. Zool., 18, 1912, p. 285. (North-West Australia.)

Australia, migrating to the Kei Islands, Ceram, New Guinea and adjacent islands.

**Eurystomus orientalis crassirostris** Sclater

*Eurystomus crassirostris* Sclater, Proc. Zool. Soc. London, 1869, p. 121. (Solomon Islands, error = New Ireland, *fide* Mayr, Am. Mus. Novit., no. 709, 1934, p. 6-8.)

*Eurystomus neohanoveranus* Hartert, Nov. Zool., 8, 1901, p. 185. (Expedition Bay, New Hanover.)

Bismarck Archipelago.

**Eurystomus orientalis solomonensis** Sharpe

*Eurystomus solomonensis* Sharpe, Proc. Zool. Soc. London, 1890, p. 552. (Solomon Islands.)

Feni Island and the Solomon Islands.

## FAMILY UPUPIDAE

## GENUS UPUPA LINNÉ

*Upupa* Linné, Syst. Nat., ed. 10, 1, 1758, p. 117. Type, by tautonymy, *Upupa epops* Linné (*Upupa*, prebinomial specific name in synonymy).

*cf.* Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 222-228.

Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 307-313.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 334-338.

Delacour and Jabouille, Ois. Indochine Franç., 2, 1931, p. 337-339.

Hartert, Vög. pal. Fauna, 2, 1912, p. 866-870.

Meinertzhagen, in Nicoll's Bds. Egypt, 1, 1930, p. 330-332.

Witherby *et al.*, Handb. Brit. Bds., 2, 1938, p. 266-269.

<sup>1</sup> Replaces *Eurystomus australis* Swainson, 1827, of Sharpe's Hand-list.

**Upupa epops epops** Linné

*Upupa Epops* Linné, Syst. Nat., ed. 10, 1, 1758, p. 117. (Europe = Sweden.)

*Upupa epops pallida* Erlanger, Journ. f. Orn., 48, 1900, p. 15. (Tunisia.)

*Upupa epops loudoni* Tschusi, Orn. Jahrb., 13, 1902, p. 70. (Transcaspia.)

*Upupa epops petrosa* Floericke, A. d. Heimat d. Kanarienvog., 1905, p. 32. (Tenerife, Canary Islands.)

*Upupa epops pulchra* Floerike, A. d. Heimat d. Kanarienvog., 1905, p. 32. (Tenerife, Canary Islands.)

*Upupa epops fuerteventurae* Polatzek, Orn. Jahrb., 1908, p. 166. (Fuerteventura, Canary Islands.)

*Upupa butleri* Madarász, Ann. Mus. Nat. Hungarici, 9, 1911, p. 339. (Chor-em-dul, near the Ethiopian border between the Dinder and the Blue Nile.)

*Upupa epops renzoi* Trischitta, Alcune nuove Forme di Uccelli Italiani, 1939, p. 1. (Sardinia.)

Breeds in Europe and Asia from southern Sweden, the Baltic Sea, Poland, Vladimir Gouv. in Russia, southwestern Siberia and Kirghiz Steppe south to northwestern Africa, Palestine, Iraq, Iran, Baluchistan and the Altai; islands in the Mediterranean Sea; Canary Islands; occasionally in England. Winters in northern tropical Africa, Arabia and southern India.

**Upupa epops major** C. L. Brehm

*Upupa major* A. E. Brehm ms C. L. Brehm, Vogelfang, 1855, p. 78. (Visits Egypt in winter.)

Egypt in the valley of the Nile to Wadi Halfa; region about the Suez Canal.

**Upupa epops senegalensis** Swainson

*Upupa Senegalensis* Swainson, Bds. W. Afr., 2, 1837, p. 114. (Senegal.)

*Upupa somalensis* Salvin, Cat. Bds. Brit. Mus., 16, 1892, p. 4 (in key), p. 13, pl. 1. (Somaliland.)

*Upupa intermedia* Ogilvie-Grant and Reid, Ibis, 1901, p. 674. (Hülül, southern Ethiopia.)

*Upupa waibeli* Reichenow, Orn. Monatsb., 21, 1913, p. 8. (Bemugu, Cameroon.)

Africa south of the Sahara and north of the forest from Senegal to Eritrea, Ethiopia and Somaliland, extending southward into Cameroon, Uganda and Kenya Colony.

**?*Upupa epops orientalis* Stuart Baker**

*Upupa indica* Reichenbach, Handb. spec. Orn., Scansoriae, 1853, p. 320. (Bengal, Nepal, Nilghiris and Tenasserim.) Not *Upupa indica* Latham.

*Upupa epops orientalis* Stuart Baker, Bull. Brit. Orn. Cl., **42**, 1921, p. 29. New name for *U. indica* Reichenbach, not *Upupa indica* Latham. (Ambala suggested as type locality by Whistler and Kinnear, Journ. Bombay Nat. Hist. Soc., **38**, 1935, p. 28.)

Northwestern India; doubtfully distinct from *U. e. epops*.

***Upupa epops ceylonensis* Reichenbach**

*Upupa ceylonensis* Reichenbach, Handb. spec. Orn., Scansoriae, 1853, p. 320, pl. DXCV, f. 4036. (Ceylon.)

India north to the western United Provinces and Naini Tal; Ceylon.

***Upupa epops saturata* Lönnerberg**

*Upupa epops saturata* Lönnerberg, Ark. Zool., **5**, 1909, no. 9, p. 29. (Kjachta, southern Transbaicalia.)

Eastern Siberia and Manchuria southward over Mongolia and northern China to Yunnan, Kwangtung and Fohkien.

***Upupa epops longirostris* Jerdon**

*Upupa longirostris* Jerdon, Bds. India, **1**, 1862, p. 393. (Burma.)

Assam, Burma, Siam, Indochina, Malay Peninsula; Sumatra.

***Upupa epops marginata* Cabanis and Heine**

*Upupa marginata* "Peters in Mus. Berol." Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1860), p. 127, note. (Madagascar.)

Madagascar.

***Upupa epops africana* Bechstein**

*Upupa africana* Bechstein, Kurze Uebers., **4**, Th. 1, 1811, p. 172. (Congo to the Cape.)

Africa south and east of the forests, from Landana, lower and middle Congo, Lake Kivu, Lake Edward, Kenya Colony, and occasionally southern Ethiopia, southward to the Cape.

FAMILY PHOENICULIDAE <sup>1</sup>GENUS PHOENICULUS JAROCKI <sup>2</sup>

*Phoeniculus* Jarocki, Zoologia, 2, 1821, p. 63. Type, by monotypy,  
*Upupa erythrorhynchus* Latham.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 228-239.

Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 323-332.

Friedmann, Bull. U. S. Nat. Mus., no. 153, 1930, p. 387-400.

***Phoeniculus purpureus senegalensis* (Vieillot)**

*Falcinellus Senegalensis* Vieillot, Tabl. Encyc. Méth., Orn., 2, 1822,  
p. 580. (Senegal.)<sup>3</sup>

Senegal and Gambia to Casamance and Portuguese Guinea.

***Phoeniculus purpureus guineensis* (Reichenow)**

*Irrisor erythrorhynchus guineensis* Reichenow, Orn. Monatsb., 10,  
1902, p. 78. (Portuguese Guinea to the Niger.)

Ivory Coast and the French Sudan through the Gold Coast interior  
to Nigeria and Lake Chad.

***Phoeniculus purpureus niloticus* (Neumann)**

*Irrisor erythrorhynchus niloticus* Neumann, Orn. Monatsb., 11, 1903,  
p. 181. (Goz Abu Guma, White Nile.)

*Irrisor erythrorhynchus ruwenzoræ* C. H. B. Grant, Ibis, 1915, p. 286.  
(Southeastern slopes of Mt. Ruwenzori at 3400 feet.)

Anglo-Egyptian Sudan south to the upper Uelle and Mt. Ruwenzori  
(Semliki Valley?).

***Phoeniculus purpureus abyssinicus* (Neumann)**

*Irrisor erythrorhynchus abyssinicus* Neumann, Orn. Monatsb., 11,  
1903, p. 181. (Arba Schiko, Anseba River, Eritrea.)

Eritrea and northern Ethiopia.

***Phoeniculus purpureus somaliensis* (Ogilvie-Grant)**

*Irrisor somaliensis* Ogilvie-Grant, Bull. Brit. Orn. Cl., 12, 1901, p. 38.  
(Somaliland; type from Fer Libah.)

British Somaliland.

<sup>1</sup> *Olim* Irrisoridae.

<sup>2</sup> Replaces *Irrisor* Lesson, 1831, and includes *Scoptelus* Cabanis and Heine, 1860, of Sharpe's Hand-list.

<sup>3</sup> Replaces *Irrisor erythrorhynchus* (Latham, 1790) of Sharpe's Hand-list, not applicable.

**Phoeniculus purpureus neglectus** (Neumann)

*Irrisor erythrorhynchos neglectus* Neumann, Journ. f. Orn., **53**, 1905, p. 194. (Shambala River, Maleland, Ethiopia.)

Southern Ethiopia, not extending to the Omo River nor to Lake Stephanie.

**Phoeniculus purpureus granti** (Neumann)

*Irrisor damarensis granti* Neumann, Orn. Monatsb., **11**, 1903, p. 182. (Ngomeni, Ukamba, Kenya Colony.)

Southern Ethiopia and Kenya Colony from the Omo Valley, lakes Rudolf and Stephanie to the Amala River and Takaungu.

**Phoeniculus purpureus marwitsi** (Reichenow)

*Irrisor erythrorhynchos marwitsi* Reichenow, Orn. Monatsb., **14**, 1906, p. 171. (Mkalama, Tanganyika Territory.)

*Irrisor erythrorhynchos brevirostris* Gunning and Roberts, Ann. Transvaal Mus., **3**, 1911, p. 113. (Villa Pereira, Boror, Portuguese East Africa.)

Eastern Uganda and Kenya Colony, southward through eastern Belgian Congo and Tanganyika Territory to the southern Katanga and Natal; Island of Zanzibar.

**Phoeniculus purpureus zuluensis** Roberts

*Phoeniculus purpureus zuluensis* Roberts, Ann. Transvaal Mus., **18**, 1936, p. 190. (Mkusi River, east of Ubombo Magistracy, Zululand.)

Zululand.

**Phoeniculus purpureus erythrorhynchos** (Latham)

*Upupa erythrorhynchos* Latham, Index Orn., **1**, 1790, p. 280. (Africa.)<sup>1</sup>

Eastern Cape Colony.

**Phoeniculus purpureus angolensis** (Reichenow)

*Irrisor erythrorhynchos* var. *angolensis* Reichenow, Vög. Afr., **2**, 1902, p. 339. (Caconda, Benguella.)

Angola.

**Phoeniculus purpureus purpureus** (J. F. Miller)

*Promerops purpureus* J. F. Miller, Icones Anim., 1784, pl. 52. (India and Africa.)

*Irrisor damarensis* Ogilvie-Grant, Bull. Brit. Orn. Cl., **12**, 1901, p. 37. (Damaraland; the types are specimens d'-n' in Cat. Bds. Brit.

<sup>1</sup> Replaces *Upupa viridis* Lichtenstein and *Phoeniculus purpureus* of recent authors, not of Miller, of Sharpe's Hand-list.

Mus., 16, 1892, p. 19, viz. Otjimbique, Elephant Vley Ovaquenyama, Okavango River and "Damaraland.")

Damaraland.

**Phoeniculus bollei bollei** (Hartlaub)

*Irrisor Bollei* Hartlaub, Journ. f. Orn., 6, 1858, p. 445. (Ashanti, Gold Coast.)

Forests of the Gold Coast and Southern Nigeria, eastward to the Ubangi River and south to Cameroon (Lolodorff).

**Phoeniculus bollei jacksoni** (Sharpe)

*Irrisor Jacksoni* Sharpe, Ann. and Mag. Nat. Hist. (6), 6, 1890, p. 503. (Kikuyu country, Kenya Colony.)

Highlands of the eastern Congo eastward to the forested highlands of Kenya Colony, south to the northern end of Lake Tanganyika.

**Phoeniculus castaneiceps castaneiceps** (Sharpe)

*Irrisor castaneiceps* Sharpe, Ibis, 1871, p. 414. (Fanti, Gold Coast.)  
Forests of the Gold Coast and southwestern Nigeria.

**Phoeniculus castaneiceps brunneiceps** (Sharpe)

*Scoptelus brunneiceps* Sharpe, Bull. Brit. Orn. Cl., 14, 1903, p. 19. (Efulen, Cameroon.)

Forests of southern Cameroon, eastward to the Ituri River.

**Phoeniculus castaneiceps adolfi-friederici** (Reichenow)

*Scoptelus adolfi-friederici* Reichenow, Orn. Monatsb., 16, 1908, p. 160. (Forest north of Beni, Ituri district, Belgian Congo.)

*Scoptelus pallidiceps* van Someren, Bull. Brit. Orn. Cl., 35, 1915, p. 116. (Kasala Forest, Uganda.)

Northern and eastern margins of the Ituri Forest, south to Beni and eastward through Uganda to Mount Elgon and Kavirondo.

**Phoeniculus aterrimus aterrimus** (Stephens)

*Promerops aterrimus* Stephens, in Shaw's Gen. Zool., 14, 1826, p. 257. (Africa = Senegal, ex Latham, Gen. Hist. Bds., 4, p. 111.)

*Scoptelus aterrimus cryptostictus* Hartert, Nov. Zool., 28, 1921, p. 108. (Mt. Baguezan, Asben.)

West African semiarid belt from Senegal, Gambia, Portuguese Guinea and the French Sudan to Northern Nigeria, Lake Chad, southern Sahara and the Ubangi River.

**Phoeniculus aterrimus emini** (Neumann)

*Scoptelus aterrimus emini* Neumann, Journ. f. Orn., 53, 1905, p. 197. (Ndussuma, Njangabo, west of Lake Albert, Belgian Congo.)

Sennar and Kordofan, south to the Uelle River and Lakes Albert and Chioga.



**Phoeniculus aterrimus notatus** (Salvin)

*Scoptelus notatus* Salvin, Cat. Bds. Brit. Mus., **16**, 1892, p. 21 (in key), p. 22. (Northeastern Africa; type from Senafé.)

*Scoptelus aterrimus maior* Neumann, Journ. f. Orn., **53**, 1905, p. 197. (Suksuk River, Ethiopia.)

•Eritrea and Ethiopia.

**Phoeniculus aterrimus anchietae** (Bocage)

*Scoptelus Anchietae* Bocage, Journ. Sci., Math., Phys. e Nat., Acad. Real Sci. Lisboa (2), **2**, 1892, p. 254. (Caconda, Benguela.)

Lower Congo (Kwamouth) to Benguela.

GENUS **RHINOPOMASTUS** JARDINE

*Rhinopomastus* Jardine, Zool. Journ., **4**, 1828, p. 1, 2, pl. 1. Type, by original designation and monotypy, *Rhinopomastus smithii* Jardine = *Falcinellus cyanomelas* Vieillot.

cf. Chapin, Bull. Am. Mus. Nat. Hist., **75**, 1939, p. 332-334.

Friedmann, Bull. U. S. Nat. Mus., no. 153, 1930, p. 400-406.

**Rhinopomastus minor minor** (Rüppell)

*Promerops minor* Rüppell, Syst. Uebers. Vög. Nord-Ost Afr., 1845, p. 28 (reference to plate only), pl. 8.<sup>1</sup> (Shoa.)

Shoa eastward to northern Somaliland, intergrading with the next race in the eastern Arussi country, Gurra country and central Somaliland (Agoi).

**Rhinopomastus minor somalicus** Erlanger

*Rhinopomastus minor somalicus* Erlanger, Journ. f. Orn., **53**, 1905, p. 461. (Mansur and Sarigo, Somaliland.)

Southern Italian Somaliland southward along the coast to eastern Kenya Colony (Tana River).

**Rhinopomastus minor cabanisi** (Defilippi)

*Irrisor Cabanisi* Defilippi, Rev. et Mag. Zool. (2), **5**, 1853, p. 289. (White Nile between 3° and 4° N. lat.)

Mongalla, Uganda and northern Kenya Colony.

**?Rhinopomastus minor extimus** Friedmann

*Rhinopomastus minor extimus* Friedmann, Proc. New England Zool. Cl., **11**, 1929, p. 29. (Dodoma, Tanganyika Territory.)

Southern Kenya Colony south to central Tanganyika Territory. Doubtfully distinct from *R. m. cabanisi*.

<sup>1</sup> The plate is lettered *Epimachus minor*.

**Rhinopomastus cyanomelas schalowi** Neumann

*Rhinopomastus schalowi* Neumann, Journ. f. Orn., **48**, 1900, p. 221.  
(Usandawe, Tanganyika Territory.)

*Rhinopomastus cyanomelas intermedius* Roberts, Ann. Transvaal Mus., **4**, 1914, p. 171. (Koedoes River, Zoutpansberg dist., Transvaal.) •

East Africa from Mt. Elgon and the Juba River through eastern Belgian Congo, Uganda, Kenya Colony and Tanganyika Territory, to the upper Katanga, northeastern Transvaal and Mozambique; Island of Mafia.

**Rhinopomastus cyanomelas cyanomelas** (Vieillot)

*Falcinellus cyanomelas* Vieillot, Nouv. Dict. Hist. Nat., **28**, 1819, p. 165. (Namaqualand.)

Cuanza River in Angola through the region about Lake Ngami to western Southern Rhodesia, south to Damaraland, Bechuanaland and Natal.

## SUBORDER BUCEROTES

## FAMILY BUCEROTIDAE

## GENUS TOCKUS LESSON

*Tockus* Lesson, Traité d'Orn., livr. 4, 1830, p. 252. Type, by subsequent designation, *Buceros erythrorhynchus* Brisson i.e. Temminck. (G. R. Gray, List Gen. Bds., 1840, p. 50.)

*Lophoceros* Ehrenberg, Symb. Phys.,<sup>1</sup> Av., 1833, sig. z. Type, *Buceros (Lophoceros) forskâlii* Ehrenberg. (Here definitely designated for the first time.)

*Rhynchaceros* Gloger, Hand-und Hilfsb. Naturg., 1842 (1841), p. 335. Diagnosis only, no species. Type, by subsequent designation, *Buceros melanoleucus* Lichtenstein (i.e. of authors, not of Lichtenstein) = *Lophoceros alboterminatus* Büttikofer. (Bonaparte, Ateneo Italiano, **2**, 1854, p. 118. (Consp. Vol. Anisodact., p. 3.))

*Ocyceros* Hume, Nests and Eggs Indian Bds., 1873, p. 113. New name for *Meniceros* Bonaparte, 1854, not of Gloger, 1841. Type, by subsequent designation, *Buceros birostris* Scopoli. (Elliot, Monogr. Bucerot., pt. 10, 1882, p. xvii) [= intro., p. xvii of volume].

*Horizocerus* Oberholser, Proc. U. S. Nat. Mus., **22**, 1899, p. 28. Type, by original designation, *Toccus hartlaubi* Gould.

*Orizocerus* "Oberholzer" Dubois, in Wytsman, Genera Avium, pt. 13, 1911, p. 18. Emendation of *Horizocerus*.

<sup>1</sup> For dates of publication see Cat. Libr. Brit. Mus. (Nat. Hist.) **2**, 1904, p. 515.

- Xanthorhynchus* Roberts, Ann. Transvaal Mus., 8, 1922, p. 214.  
Type, by original designation, *Buceros leucomelas* Lichtenstein,  
i.e. *Buceros leucomelas* of authors, not of Lichtenstein.
- Nototocus* Roberts, Ann. Transvaal Mus., 8, 1922, p. 214. Type,  
by original designation, *Toccus monteiri* Hartlaub.
- Protocus* Roberts, Ann. Transvaal Mus., 14, 1931, p. 240. "New  
name for *Rhynchaceros* which is preoccupied."<sup>1</sup>
- cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 301-305.  
Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 328-341.  
Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 338-351.  
Friedmann, Bull. U. S. Nat. Mus., no. 153, 1930, p. 407-431.  
Jackson and Selater, Bds. Kenya Col. and Uganda Prot., 2, 1938,  
p. 602-614.

***Tocus birostris* (Scopoli)**

- Buceros birostris* Scopoli, Del. Flor. et Faun. Insubr., fasc. 2, 1786,  
p. 87. (Coromandel, India.)
- Tocus birostris pergriseus* Koelz, Proc. Biol. Soc. Wash., 52, 1939,  
p. 79. (Lahore, Punjab.)
- India south of the Himalayas, east to Bihar and western Bengal.

***Tocus fasciatus semifasciatus* (Hartlaub)**

- Buceros semifasciatus* Temm. Hartlaub, Journ. f. Orn., 3, 1855,  
p. 356. (Rio Boutry, Gold Coast.)
- Forest and savannas of Upper Guinea from Gambia to the Niger.

***Tocus fasciatus fasciatus* (Shaw)**

- Buceros fasciatus* Shaw, Gen. Zool., 8, pt. 1, 1811, p. 34. (Angola.)
- Forests of Cameroon, Gaboon and northern Angola, eastward to  
the Uelle, western Uganda and eastern Congo.

***Tocus albeterminatus geloensis* (Neumann)**

- Lophoceros melanoleucos geloensis* Neumann, Journ. f. Orn., 53, 1905,  
p. 187. (Schekho, upper Gelo River, Ethiopia.)
- Southwestern Ethiopia.

***Tocus albeterminatus stegmanni* (Neumann)**

- Lophoceros melanoleucos stegmanni* Neumann, Orn. Monatsb., 31,  
1923, p. 75. (Tschingogo Forest, Lake Kivu.)
- Uganda, western Kenya Colony, western Tanganyika Territory and  
eastern Belgian Congo south to the upper Katanga.

<sup>1</sup> Apparently referring to *Rhynchoceros* Berthöld, in Latreille, Nat. Fam.  
Thierreich, 1827, p. 84.

**Tockus albeterminatus suahelicus** (Neumann)

*Lophoceros melanoleucos suahelicus* Neumann, Journ. f. Orn., **53**, 1905, p. 187. (Morogoro, Tanganyika Territory.)

Southern Somaliland southward through the coastlands of Kenya Colony and Tanganyika Territory to northern Mozambique and Southern Rhodesia; islands of Zanzibar and Pemba.

**Tockus albeterminatus angolensis** (Reichenow)

*Lophoceros melanoleucos* var. *angolensis* Reichenow, Vög. Afr., **2**, 1902, p. 250. (Angola.)

Lower Congo and northern Angola.

**Tockus albeterminatus albeterminatus** (Büttikofer)

*Lophoceros albeterminatus* Büttikofer, Notes Leyden Mus., **11**, 1889, p. 67. (Gambos, upper Cunene, Angola.)

Southern Angola: Mossamedes, Benguella.

**Tockus albeterminatus australis** (Roberts)

*Lophoceros melanoleucos* of authors not of Lichtenstein.<sup>1</sup>

*Protockus suahelicus australis* Roberts, Ann. Transvaal Mus., **15**, 1932, p. 26. (Riet River, Bathurst district.)

South and southeastern Africa.

**Tockus bradfieldi bradfieldi** (Roberts)

*Rhyncaceros bradfieldi* Roberts, Ostrich, **1**, Nov., 1930, p. 65. (No locality = Waterberg, Southwest Africa.)

Ovamboland.

**Tockus bradfieldi williaminae** (de Schauensee)

*Lophoceros williaminae* de Schauensee, Proc. Acad. Nat. Sci. Phila., **83**, 24 Jan., 1931, p. 5. (Kachikau, near junction of Chobe and Zambesi rivers, Bechuanaland.)

Northern Bechuanaland and Southern Rhodesia; requires confirmation.

**Tockus pallidirostris pallidirostris** (Hartlaub and Finsch)

*Buceros pallidirostris* Hartlaub and Finsch, in Finsch and Hartlaub, Vög. Ost-Afr.,<sup>2</sup> 1870, p. 871. (Caconda, Benguella.)

Northern Angola (Cuango River) eastward across the Katanga to the southwestern corner of Lake Tanganyika, south to Mossamedes and Lake Bangweolo.

<sup>1</sup> Roberts is entirely correct in rejecting *Buceros melanoleucos* Lichtenstein as the name of the present species; Lichtenstein's description does not apply, in fact it is difficult to understand how it ever came to be used for this bird.

<sup>2</sup> Comprises vol. 4 of von der Decken's Reisen in Ost-Afrika.

**Tockus pallidirostris neumanni** (Reichenow)

*Lophoceros pallidirostris neumanni* Reichenow, Vög Deutsch Ost-Afr., 1894, p. 128. (Mgera, Tanganyika Territory.)

Eastern Tanganyika Territory to the Rovuma River and Nyasaland.

**Tockus nasutus nasutus** (Linné)

*Buceros nasutus* Linné, Syst. Nat., ed. 12, 1, 1766, p. 154. (Senegal.)

Senegal eastward across Lake Chad and the Anglo-Egyptian Sudan to Ethiopia, south to northern Cameroon, the Ubangi, Uganda and Kenya Colony, south at least to the middle Pangani River, Tanganyika Territory.

**Tockus nasutus forskålii** (Ehrenberg)

*Buceros, Lophoceros, Forskålii* Ehrenberg, Symb. Phys., Aves, 1833, sig. z, note. (Gumfoda and Loheia, Arabia.)

Eritrea; western and southern Arabia.

**Tockus nasutus caffer** (Sundevall)

*Buceros nasutus* var. *caffer* Sundevall, Æfv. Kongl. Vet.-Akad. Forh. for 1850, 1851, p. 108, no. 49. ("Caffr. superiore ad 24° lat. = Maglies Berg, Transvaal, cf. Gyldenstolpe, Ark. Zool., 19A, 1926, p. 83, 115.)

*Buceros epirhinus* Sundevall, loc. cit. Alternate name.

*Lophoceros nasutus maraisi* Roberts, Ann. Transvaal Mus., 4, 1914, p. 170. (No definite locality, but probably near Bagamoyo.)

Mossamedes, the Katanga, western shore of Lake Tanganyika, southwestern Uganda and southern Kenya Colony, south to Damara-land, Bechuanaland and Zululand.

**Tockus hemprichii hemprichii** (Ehrenberg)

*Buceros, Lophoceros, Hemprichii* Ehrenberg, Symb. Phys., Aves, 1833, sig. aa. (Ethiopian coastlands.)

Eritrea, Ethiopia (south to the northern end of Lake Rudolf) and Somaliland.

**?Tockus hemprichii exsul** (Neumann)

*Lophoceros hemprichii exsul* Neumann, Journ. f. Orn., 76, 1928, p. 784. (Moyale, east of Lake Rudolf.)

Highlands east, west and southwest of Lake Rudolf. Requires confirmation.

**?Tockus monteiri marjoriae** (Bradfield)

*Lophoceros Monteri Marjoriae* Bradfield, Descr. New races Kalahari Bds. and Mamms., 1935, p. 1. (Quickborn.) Republished, Auk, 53, 1936, p. 131.

Ovamboland: Quickborn, Windhoek, Karabib.

**Tockus monteiri monteiri** Hartlaub

*Tockus monteiri* Hartlaub, Proc. Zool. Soc. London, 1865, p. 87, pl. 5.  
(Benguella.)

Benguella, Ovamboland to Waterberg.

**Tockus griseus griseus** (Latham)

*Buceros griseus* Latham, Index Orn., 1, 1790, p. 147. (New Holland  
= Malabar.)

West side of the Indian Peninsula from Khandesh to Travancore.

**Tockus griseus gingalensis** (Shaw)

*Buceros Gingalensis* Shaw, Gen. Zool., 8, pt. 1, 1811, p. 37. (Ceylon.)  
Ceylon.

**Tockus hartlaubi hartlaubi** Gould

*Tockus hartlaubi* Gould, Proc. Zool. Soc. London, pt. 28, 1860 (1861),  
p. 380 (West Africa.)

Forests of French Guinea, Liberia, Gold Coast, Cameroon and  
Portuguese Congo.

**Tockus hartlaubi granti** (Hartert)

*Lophoceros granti* Hartert, Nov. Zool., 2, 1895, p. 55. (Aruwhimi  
River, Belgian Congo.)

Forests of the eastern Belgian Congo from the Uelle River and  
Semliki to the Kasai.

**Tockus camurus pulchrirostris** (Schlegel)

*Buceros pulchrirostris* Schlegel, Nederl. Tijdschr. Dierk., 1, 1863,  
p. 74, Vog., pl. 4. (St. George d'Elmina, Gold Coast.)

Forests of Liberia, Gold Coast and Southern Nigeria.

**Tockus camurus camurus** Cassin

*Tockus camurus* Cassin, Proc. Acad. Nat. Sci. Phila., 8, 1857, p. 319.  
(Cape Lopez, Gaboon.)

Forests of Cameroon, Gaboon and Belgian Congo east to the Uelle  
district and the Semliki Valley and south to the Kasai.

**Tockus erythrorhynchus erythrorhynchus** (Temminck)

*Buceros erythrorhynchus* Temminck, Pl. col., livr. 36, 1823, species  
19. (Senegal and Guinea; based on Brisson, Buffon and LeVail-  
lant.)

*Lophoceros medianus* Sharpe, Proc. Zool. Soc. London, 1895, p. 498.  
(Dabulli, Somaliland.)

Senegal to Lake Chad, the Anglo-Egyptian Sudan, Ethiopia and  
Somaliland, thence extending through Kenya Colony and Uganda to  
Tanganyika Territory.

**Tockus erythrorhynchus rufirostris** (Sundevall)

*Buceros erythrorhynchus* var. *caffer* Sundevall, Æfv. Kongl. Vet.-Akad. Förh. for 1850, 1851, p. 108, no. 50. Not *B. nasutus* var. *caffer* Sundevall, *loc. cit.* no. 49. ("In montosis sylvaticis Caffrariae superioris" = Ape River, Transvaal, cf. Gyldenstolpe, Ark. Zool., 19A, 1926, p. 84.)

*Buceros rufirostris* Sundevall, *loc. cit.* Alternate name.

Southern Angola and Ovamboland to western Transvaal.

**Tockus erythrorhynchus damarensis** (Shelley)

*Lophoceros damarensis* Shelley, Ibis, 1888, p. 58 (in key), p. 66. (Otjimbingue, Damaraland.)

Damaraland.

**Tockus erythrorhynchus ngamiensis** Roberts

*Tockus erythrorhynchus nagmiensis* [sic] Roberts, Ann. Transvaal Mus., 15, 1932, p. 25. (Maun, Ngamiland.)

Ngamiland.

**Tockus flavirostris flavirostris** (Rüppell)

*Buceros flavirostris* Rüppell, Neue Wirbelth., 1835, Vög., p. 6, pl. 2, f. 2. (Valleys at the base of the Taranta Mountains, near Massawa, Ethiopia.)

Eritrea, Ethiopia, Somaliland (except part inhabited by *somaliensis*) and Kenya Colony to the Kenya-Tanganyika border east of Kilimanjaro.

**Tockus flavirostris somaliensis** (Reichenow)

*Lophoceros somaliensis* Reichenow, Journ. f. Orn., 42, 1894, p. 96. (Meid [= Mait], Somaliland.)

Known only from the typical pair, but probably inhabits all of eastern Somaliland from Mait to Cape Guardafui.

**Tockus flavirostris leucomelas** (Lichtenstein)

*Buceros leucomelas* Lichtenstein, Verz. Samml. Vög. Kaffernl., 1842, p. 17. (Kaffirland.)

Damaraland, Bechuanaland, Southern Rhodesia and the Zambesi Valley, south to the Orange River and Natal.

**Tockus flavirostris elegans** Hartlaub

*Toccus elegans* Hartlaub, Proc. Zool. Soc. London, 1865, p. 86, pl. 4. (Benguella.)

Loanda, Angola and Benguella.

**Tockus deckeni** (Cabanis)

*Buceros (Rhynchoceros) Deckeni* Cabanis, in von der Decken's Reisen Ost.-Afrika, **3**, pt. 1, 1869, p. 37, pl. 6.<sup>1</sup> (East Africa; type locality fixed as Seyidie Prov., Kenya Colony, Grant and Mackworth-Praed, Bull. Brit. Orn. Cl., **57**, 1937, p. 138.)

Arid thorn bush country from central Ethiopia, southern Somaliland and Jubaland, south through eastern Uganda and Kenya Colony to central Tanganyika Territory.

**?Tockus jacksoni** (Ogilvie-Grant)

*Lophoceros jacksoni* Ogilvie-Grant, Ibis, 1891, p. 127. (Turkwell, Sük.)

Inhabits the same type of country with much the same range as *T. deckeni*; almost certainly the young of *T. deckeni*.

GENUS **BERENICORNIS** BONAPARTE

*Berenicornis* Bonaparte, Consp. Av., **1**, 1850, p. 91. Type, by subsequent designation, *Buceros comatus* Raffles. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 84.)

*Ortholophus* Ogilvie-Grant, Cat. Bds. Brit. Mus., **17**, 1892, p. 349 (in key), p. 424. Type, by subsequent designation, *Buceros albocristatus* Cassin. (Richmond, Proc. U. S. Nat. Mus., **24**, 1902, p. 701). Not *Ortholophus* Bigot, 1882, Diptera.

*Tropicranus* W. Sclater, Bull. Brit. Orn. Cl., **42**, 1922, p. 76. Type, by original designation, *Ortholophus cassini* Finsch.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 300. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 341-343.

**Berenicornis comatus** (Raffles)

*Buceros comatus* Raffles, Trans. Linn. Soc. London, **13**, pt. 2, 1822, p. 339. (Sumatra.)

Tenasserim, Malay Peninsula, central Annam, Sumatra, Borneo.

**Berenicornis albo-cristatus albo-cristatus** (Cassin)

*Buceros albo-cristatus* Cassin, Proc. Acad. Nat. Sci. Phila., **3**, 1848, p. 330. (St. Paul's River, Liberia.)

Forests of Sierra Leone, Liberia and the Ivory Coast.

**Berenicornis albo-cristatus macrourus** (Bonaparte)

*Buceros macrourus* "Temm. 1842" Bonaparte, Consp. Av., **1**, 1850, p. 91. (Ashantee, Gold Coast.)

Forests of the Gold Coast.

<sup>1</sup> The plate is lettered *Rhynchoceros Deckeni*.



**Berenicornis albo-cristatus cassini** (Finsch)

*Ortholophus Cassini* Finsch, Notes Leyden Mus., **23**, 1903, p. 196 (in key), p. 201. (Gaboon.)

Western Southern Nigeria southward through the forested areas to the Kwango River and the southern Kasai district, east to the upper Uelle district and the Semliki Valley.

GENUS **PTILOLAEMUS** OGILVIE-GRANT

*Ptilolaemus* Ogilvie-Grant, Cat. Bds. Brit. Mus., **17**, 1892, p. 349 (in key), p. 392. Type, by subsequent designation, *Buceros tickelli* Blyth. (Richmond, Proc. U.S. Nat. Mus., **24**, 1902, p. 711.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 296-299. Delacour and Jabouille, Ois. Indochine Franç., **2**, 1931, p. 335-336.

**Ptilolaemus tickelli austeni** (Jerdon)

*Anorhinus* [sic] *austeni* Jerdon, Ibis, 1872, p. 6. (Asalu, Cachar Hills.)

Hills of Assam south of the Brahmaputra.

**Ptilolaemus tickelli tickelli** (Blyth)

*Buceros Tickelli* Blyth, Journ. As. Soc. Bengal, **24**, 1855, p. 266. ("The great hills which run N. and S. through the Tenasserim provinces.")

Hills of Tenasserim.

**Ptilolaemus tickelli indochinensis** Delacour and Jabouille

*Ptilolaemus tickelli indochinensis* Delacour and Jabouille, Bull. Brit. Orn. Cl., **48**, 1928, p. 129. (Khébon, 150 meters, northern Annam.)

Both slopes of the Annamitic chain in Annam and Laos and in western Tonkin.

GENUS **ANORRHINUS** REICHENBACH

*Anorrhinus* Reichenbach, Av. Syst. Nat. [1849], pl. XLIX. No species; generic details only. Type, by subsequent designation, *Buceros galericitus* Temminck. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 83.)<sup>1</sup>

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., **4**, 1927, p. 296. Riley, Bull. U. S. Nat. Mus., no. 172, 1938, p. 195-196.

<sup>1</sup> In Ateneo Italiano, **2**, 1854, p. 312, Bonaparte added the species to *Anorhinus*, but none of the three there included agrees with the figure of the generic details given by Reichenbach. As a matter of fact Bonaparte evidently transposed the species that he included in *Anthracoceros* with those placed in *Anorrhinus*.

**Anorrhinus galeritus carinatus** (Blyth)

*Buceros carinatus* Blyth, Journ. As. Soc. Bengal, **14**, pt. 1, 1845, p. 187. (Malacca.)

Southern Tenasserim, Peninsular Siam, Malay States.

**Anorrhinus galeritus galeritus** (Temminck)

*Buceros galeritus* Temminck, Pl. col., livr. 88, 1831, pl. 520. (Sumatra and western Borneo.)

Sumatra, Natuna Islands, northern Borneo.

**Anorrhinus galeritus minor** Mayr

*Anorrhinus galeritus minor* Mayr, Bull. Raffles Mus., no. 14, 1938, p. 18. (Parit, Sampit, South Borneo.)

Southern Borneo.

GENUS **PENELOPIDES** REICHENBACH

*Penelopides* Reichenbach, Av. Syst. Nat. [1849], pl. XLIX. No species; generic details only. Species added, Bonaparte, Ateneo Italiano, **2**, 1854, p. 313. Type, by subsequent designation, *Buceros panini* Boddaert. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 84).

*Rhabdotorrhinus* Meyer and Wieglesworth, Bds. Celebes, **1**, 1898, p. xi, p. 235. Type, by monotypy, *Buceros exarhatus* Temminck.

cf. Hachisuka, Bds. Philippine Ids., **2**, 1934, p. 158-165.

Stresemann, Journ. f. Orn. **80**, 1940, p. 399-400.

**Penelopides panini manilloe** (Boddaert)

*Buceros Manilla* Boddaert, Table Pl. enlum., 1783, p. 54. (Manila, ex Daubenton, Pl. enlum., pl. 891.)

*Penelopides talisi* Finsch, Notes Leyden Mus., **23**, 1903, p. 190. (Cagayan Province, Luzon.)

Philippine Islands: Luzon, Marinduque.

**Penelopides panini subnigra** McGregor

*Penelopides subnigra* McGregor, Phil. Journ. Sci., 5, sect. D, 1910, p. 110. (Polillo.)

Philippine Islands: Polillo.

**Penelopides panini mindorensis** Steere

*Penelopides Mindorensis* Steere, List Bds. Mamms. Steere Exped., 1890, p. 13. (No locality; Mindoro by inference.)

*Penelopides schmackeri* Hartert, Kat. Vogelsamml. Mus. Senckenb., 1891, p. 139. (Mt. Halcon, Mindoro.)

Philippine Islands: Mindoro.

**Penelopides panini ticaensis** Hachisuka

*Penelopides panini ticaensis* Hachisuka, Orn. Soc. Japan, suppl. publ. no. 14, 1930, p. 169. (Ticao.)

Philippine Islands: Ticao.

**Penelopides panini panini** (Boddaert)

*Buceros Panini* Boddaert, Table Pl. enlum., 1783, p. 48. (Island of Panay, ex Daubenton, Pl. enlum., pl. 780-781.)

Philippine Islands: Masbate, Panay, Guimaras, Negros.

**Penelopides panini samarensis** Steere

*Penelopides Samarensis* Steere, List Bds. Mamms. Steere Exped., 1890, p. 13. (Samar and Leyte.)

*Penelopides panini boholensis* Hachisuka, Orn. Soc. Japan, suppl. publ. no. 14, 1930, p. 168. (Guindulman, Bohol.)

*Penelopides panini leytensis* Hachisuka, Orn. Soc. Japan, suppl. publ. no. 14, 1930, p. 169. (Leyte.)

Philippine Islands: Samar, Leyte, Bohol.

**Penelopides panini affinis** Tweeddale

*Penelopides affinis* Tweeddale, Ann. and Mag. Nat. Hist. (4), 20, 1877, p. 534. (Butuan, Mindanao.)

Philippine Islands: Dinagat, Mindanao.

**Penelopides panini basilanica** Steere

*Penelopides Basilanica* Steere, List Bds. Mamms. Steere Exped., 1890, p. 13. (Basilan.)

Philippine Islands: Basilan.

**Penelopides exarhatus exarhatus** (Temminck)

*Buceros exarhatus* Temminck, Pl. col., livr. 36, 1823, pl. 211. (Celebes.)

Northern peninsula of Celebes.

**Penelopides exarhatus sanfordi** (Stresemann)

*Rhabdotorrhinus exaratus* [sic] *sanfordi* Stresemann, Orn. Monatsb., 40, 1932, p. 111. (Masembo, 550 meters, Mengkoka Mountains, Celebes.)

Central, southeastern and south Celebes.

GENUS **ACEROS** J. E. GRAY

*Aceros* J. E. Gray, Zool. Misc., 1844, p. 85. Type, by monotypy, *Aceros nipalensis* = *Buceros nipalensis* Hodgson.

*Rhyticeros* Reichenbach, Av. Syst. Nat. [1849], pl. L. No species; generic details only. Species added, Bonaparte, Ateneo Italiano,

2, 1854, p. 312. Type, by subsequent designation, *Buceros plicatus* Latham i.e. Forster. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 84.)

*Rhytidoceros* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1860), p. 172. Emendation.

*Cranorrhinus* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1860), p. 173. Type, by monotypy, *Buceros cassidix* Temminck.

*Cranobrontes* Riley, Proc. Biol. Soc. Wash., 34, 1921, p. 52. Type, by original designation, *Buceros leucocephalus* Vieillot.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 290-295. Hachisuka, Bds. Philippine Ids., 2, 1934, p. 166-168.

Stresemann, Nov. Zool., 21, 1914, p. 99-105.

Stresemann, Journ. f. Orn., 88, 1940, p. 400-403.

### ***Aceros nipalensis* (Hodgson)**

*Buceros Nipalensis* Hodgson, Asiat. Res., 18, 1829, pt. 1, p. 178, 2 pls. (No locality = Nepal by inference.)

Sub-Himalayas from Nepal to eastern Assam; hills of Burma to Tenasserim; Laos, Tonkin and northern Siam.

### ***Aceros corrugatus corrugatus* (Temminck)**

*Buceros corrugatus* Temminck, Pl. col., livr. 89, Feb. 1832, *nomen nudum*; livr. 90, July, 1832, pl. 531. (Borneo.)

Malay Peninsula, Borneo.

### ***Aceros corrugatus megistus* (Oberholser)**

*Cranorrhinus corrugatus megistus* Oberholser, Smiths. Misc. Coll., 60, 1912, no. 7, p. 6. (Tana Bala Island, Batu Islands.)

Sumatra, Batu Islands.

### ***Aceros leucocephalus waldeni* (Sharpe)**

*Craniorrhinus* [sic] *waldeni* Sharpe, Journ. Linn. Soc. London, Zool., 13, 28 Feb., 1877, p. 156. (Mountains west of Ilo Ilo, Panay.)

*Cranorrhinus waldeni* Sharpe Elliot, Monogr. Bucerot, pt. 1, before July, 1877, pl. [2] and text [= pl. 18 and text of volume]. (Mountains west of Ilo Ilo, Panay.)

*Craniorrhinus* [sic] *Waldeni* Sharpe Trans. Linn. Soc. London (2), 1, Nov. 1877, p. 322. (Mountains west of Ilo Ilo, Panay.)

Philippine Islands: Panay, Guimaras, Negros.

### ***Aceros leucocephalus leucocephalus* (Vieillot)**

*Buceros leucocephalus* Vieillot, Nouv. Dict. Hist. Nat., 4, 1816, p. 592. (Moluccas = Mindanao.)

Philippine Islands: Camiguin (south), Mindanao.

**Aceros cassidix** (Temminck)

*Buceros cassidix* Temminck, Pl. col., livr. 36, 1823, pl. 210. (Celebes.)  
Celebes, Buton, Muna.

**Aceros undulatus tichehursti** (Deignan)

*Rhyticeros undulatus tichehursti* Deignan, Auk, 58, 1941, p. 397.  
(Huai Oi, 14 Kilometers north of Ban Pak Li, Nan Province, Siam.)

Assam south of the Brahmaputra, eastern Bengal, Burma, Siam, Indochina and the Malay Peninsula north of the Isthmus of Kra; Mergui Archipelago.

**Aceros undulatus undulatus** (Shaw)

*Buceros undulatus* Shaw, Gen. Zool., 8, pt. 1, 1811, p. 26. (Java.)

Malay Peninsula south of the Isthmus of Kra; Sumatra, Mansalar Island, Java, Bali, Borneo.

**Aceros plicatus subruficollis** (Blyth)

*Buceros subruficollis* Blyth, Journ. As. Soc. Bengal, 12, pt. 1, 1843, p. 177. (Tenasserim.)

Southern Burma, southwestern Siam, Malay Peninsula, Sumatra, Borneo.

**Aceros plicatus plicatus** (J. R. Forster)

*Buceros plicatus* J. R. Forster, Indische Zool., 1781, p. 40. (Based on "Dampier, III, 231"; restricted to Ceram by Rothschild and Hartert, Nov. Zool., 9, 1902, p. 587.)

Southern Moluccas: Ceram, Amboina.

**Aceros plicatus ruficollis** (Vieillot)

*Buceros ruficollis* Vieillot, Nouv. Dict. Hist. Nat., 4, 1816, p. 600. (Waigeu.)

Northern Moluccas: Morotai, Halmahera, Batjan, Obi; western Papuan Islands: Misol, Salawatti, Batanta, Gebe, Waigeu; western and southern New Guinea east to the head of Geelvink Bay and the Noord River.

**Aceros plicatus jungei** (Mayr)

*Rhyticeros plicatus jungei* Mayr, Am. Mus. Novit., no. 939, 1937, p. 13. (Madang, Astrolabe Bay, New Guinea.)

New Guinea east of the Mamberano and Fly rivers; Island of Jobi; Fergusson and Goodenough Islands.

**Aceros plicatus dampieri** (Mayr)

*Rhyticeros plicatus dampieri* Mayr, Am. Mus. Novit., no. 709, 1934, p. 9. (Baining Mountains, New Britain.)

Bismarck Archipelago: New Hanover, New Ireland, New Britain.

***Aceros plicatus harterti* (Mayr)**

*Rhyticeros plicatus harterti* Mayr, Am. Mus. Novit., no. 709, 1934, p. 9. (Bougainville, Solomon Islands.)

Solomon Islands: Buka, Bougainville, Fauro, Shortland.

***Aceros plicatus mendanae* (Hartert)**

*Rhyticeros plicatus mendanae* Hartert, Bull. Brit. Orn. Cl., 45, 1924, p. 46. (Guadalcanal, Solomon Islands.)

Solomon Islands: Choiseul, Ysabel, Vangunu, Guadalcanal, Malaita.

***Aceros everetti* (Rothschild)**

*Rhytidoceros everetti* Rothschild, Journ. f. Orn., 45, 1897, p. 513. (Monjeli, Sumba Island.)

Island of Sumba.

***Aceros narcondami* (Hume)**

*Rhyticeros narcondami* Anonymous = Hume, Stray Feath., 1, 1873, p. 411. (Narcondam Island.)

Confined to Narcondam Island in the Bay of Bengal.

GENUS **ANTHRACOCEROS** REICHENBACH

*Anthracoceros* Reichenbach, Av. Syst. Nat. [1849], pl. XLIX. No species; generic details only. Type, by subsequent designation, *Buceros malabaricus* Gmelin. (Elliot, Monogr. Bucerot., pt. 10, 1882, p. xvi [= intro., p. xvi of volume]). Not *Anthracocera* Agassiz, 1846, Lepidoptera.

*Hydrocissa* Bonaparte, Consp. Av., 1, 1850, p. 90. Type, by subsequent designation, *Buceros monoceros* Shaw = *Buceros coronatus* Boddaert. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 83.)

*Limonophalus* Elliot, Monogr. Bucerot., pt. 10, 1882, pl. and text (= pl. 25 and text, of volume). Type, by monotypy, *Buceros montani* Oustalet.

*Gymnolæmus* Ogilvie-Grant, Cat. Bds. Brit. Mus., 17, 1892, p. 348 (in key), p. 370. Type, by monotypy, *Anthracoceros marchii* Oustalet.

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 286-290. Dubois, in Wytsman's Genera Avium, pt. 13, 1911, p. 8-10.

Hachisuka, Bds. Philippine Ids., 2, 1934, p. 155-159. (*Limnophalus* [sic] and *Gymnolaemus*.)

***Anthracoceros malayanus* (Raffles)**

*Buceros malayanus* Raffles, Trans. Linn. Soc. London, 13, pt. 2, 1822, p. 292. (Malacca.)

Malay Peninsula from Trang, southward; Sumatra, Banka, Billiton, Borneo.

***Anthracoceros malabaricus malabaricus* (Gmelin)**

*Buceros malabaricus* Gmelin, Syst. Nat., 1, pt. 1, 1788, p. 359.  
(India = Chandernagore, *apud* Baker.)

?*Buceros melanoleucos* Lichtenstein, Cat. rer. rariss., 1793, p. 8.  
(Kaffirland.)

Himalayan foothills from Dehra Dun to Bihar, eastern Bengal, Assam and extreme northern Burma.

***Anthracoceros malabaricus leucogaster* (Blyth)**

*Buceros leucogaster* Blyth, Journ. As. Soc. Bengal, 10, pt. 2, 1841, p. 922. (Vicinity of Moulmein, Tenasserim.)

Burma (except extreme northern), Tenasserim, Malay Peninsula to Perak, Siam, Indochina, southeastern China in Province of Kwangsi.

***Anthracoceros coronatus coronatus* (Boddaert)**

*Buceros Coronatus* Boddaert, Table Pl. enlum., 1783, p. 53. (Philippines, error = Malabar, based on Daubenton, Pl. enlum., pl. 873.)

India in Bihar (there overlapping the range of *A. m. malabaricus*), Orissa, Central Provinces, Ratnagiri, Bombay Presidency and Travancore; Ceylon.

***Anthracoceros coronatus convexus* (Temminck)**

*Buceros convexus* Temminck, Pl. col., livr. 88, 1831, pl. 530. (Sumatra, Java and Borneo.)

*Hydrocissa convexa barussensis* Oberholser, Journ. Wash. Acad. Sci., 14, 1924, p. 300. (Tana Bala Island, Batu Islands.)

*Hydrocissa convexa zamelaena* Oberholser, Bull. U. S. Nat. Mus., no. 159, 1932, p. 38. (Pulo Lingung, Natuna Islands.)

Malay Peninsula from Patani southward; Tambelan Islands, Sumatra, Rhio Archipelago, Mansalar Islands, Mentawi Islands, Batu Islands, Pagi Islands, Nias, Java, Borneo, North Natuna Islands.

***Anthracoceros montani* (Oustalet)**

*Buceros Montani* Oustalet, Bull. Hebdo. Assoc. Sci. France (2), 2, 1880, p. 205. (Sulu Archipelago.)

Philippine Islands: Jolo, Tawi Tawi.

***Anthracoceros marchei* Oustalet**

*Anthracoceros marchei* Oustalet, Le Naturaliste, 15 July, 1885, p. 108. (Palawan, Busuanga and Balabac.)

*Anthracoceros lemprieri* Sharpe, Proc. Zool. Soc. London, 1 Oct., 1885, p. 446, pl. 26. (Palawan.)

Philippine Islands: Busuanga, Calamianes, Palawan, Balabac.

GENUS **BYCANISTES** CABANIS AND HEINE

*Bycanistes* Cabanis and Heine, Mus. Hein., Th. 2, 1859-60 (1860), p. 171. Type, by monotypy, *Buceros bucinator* Temminck.

*Baryrhynchus* Roberts, Ann. Transvaal Mus., 8, 1922, p. 214. Type, by original designation, *Buceros cristatus* Rüppell. Not *Baryrhynchus* Lacordaire, 1866.

*Baryrhynchodes* Strand, Arch. Naturg., 92A, 1928, Heft 8, p. 57. New name for *Baryrhynchus* Roberts, preoccupied.

cf. Bannerman, Bds. Trop. W. Afr., 3, 1933, p. 316-328.  
Chapin, Bull. Am. Mus. Nat. Hist., 75, 1939, p. 353-364.  
Grote, Mitt. Zool. Mus. Berlin, 13, 1927, p. 199-205.

**Bycanistes bucinator fistulator** (Cassin)

*Buceros Fistulator* Cassin, Proc. Acad. Nat. Sci. Phila., 5, 1852, p. 68. (West Africa = Senegal.)

Forest areas of the Upper Guinea coast from Senegambia to the Niger.

**Bycanistes bucinator sharpii** (Elliot)

*Buceros sharpii* Elliot, Ibis, 1873, p. 177. (Angola.)

Southeastern Nigeria through western Cameroon to the lower Congo and northern Angola.

**Bycanistes bucinator duboisi** W. Sclater

*Buceros leucopygius* Dubois, Bull. Mus. Roy. Hist. Nat. Belgique, 3, 1884, p. 202. (Semio, Nyam Nyam Country.) Not *Buceros leucopygus* Giebel, 1876.

*Bycanistes sharpii duboisi* W. Sclater, Bull. Brit. Orn. Cl., 42, 1922, p. 45. (Niam Niam, upper Uelle.)

Cameroon from the River Ja, and Belgian Congo from Stanley Pool, eastward to the upper Uelle, the Semliki Valley and Kasongo.

**Bycanistes bucinator bucinator** (Temminck)

*Buceros bucinator* [sic] Temminck, Pl. col., livr. 48, 1824, pl. 284. (Cape of Good Hope.)

Angola, the Katanga, interior of Tanganyika Territory and the Tana River in Kenya Colony (in northern half of Tanganyika Territory and in Kenya Colony confined to the coastlands), south to eastern Cape Province.

**Bycanistes cylindricus cylindricus** (Temminck)

*Buceros cylindricus* Temminck, Pl. col., livr. 88, 1831, pl. 521, f. 2. (Cape Coast, West Africa.)

Sierra Leone, Liberia, Gold Coast, Togoland and Dahomey.



**Bycanistes cylindricus albotibialis** (Cabanis and Reichenow)

*Buceros albotibialis* Cabanis and Reichenow, Journ. f. Orn., **25**, 1877, p. 19, 103. (Chinchoxo, Loango Coast.)

Southern Nigeria across Cameroon to the upper Congo and south to the Kasai and Landana.

**Bycanistes subcylindricus subcylindricus** (P. Selater)

*Buceros subcylindricus* P. Selater, Proc. Zool. Soc. London, 1870, p. 668, pl. 39. (West Africa = Ashanti.)

Ashanti to Southern Nigeria.

**Bycanistes subcylindricus subquadratus** Cabanis

*Bycanistes subquadratus* Cabanis, Journ. f. Orn., **28**, 1880, p. 350, pl. 1. (Mona Hongola, Angola.)

*Bycanistes Aloysii* Salvadori, Boll. Mus. Zool. Anat. Comp. Torino, **21**, 1906, no. 542, p. 1. (Entebbe, Uganda.)

Northern border of the Cameroon forest eastward to Uganda and Mount Elgon, south to the Semliki Valley and the vicinity of Lake Tanganyika; also in northern Angola.

**Bycanistes brevis omissus** Nomen nov.

*Buceros cristatus* Rüppell, Neue Wirbelth., 1835, Vög., p. 3, pl. 1. (Goraza on Lake Tsana, Ethiopia.) Not *Buceros cristatus*. Vieillot, 1816.

Ethiopia (except northern), intergrading with the next form in northern and central Kenya Colony.

**Bycanistes brevis brevis** Friedmann

*Bycanistes cristatus brevis* Friedmann, Proc. New England Zool. Cl., **11**, 1929, p. 32. (Mount Lutindi, Usambara Mountains, Tanganyika Territory.)

Southern Kenya Colony southward to Nyasaland and Mashonaland.

GENUS **CERATOGYMNA** BONAPARTE

*Ceratogymna* Bonaparte, Ateneo Italiano, no. 11, Aug. 1854, p. 312.<sup>1</sup>

Type, by monotypy, *Buceros elatus* Temminck.

cf. Bannerman, Bds. Trop. W. Afr., **3**, 1933, p. 345-350.

**Ceratogymna atrata** (Temminck)

*Buceros atratus* Temminck, Pl. col., livr. 94, 1835, pl. 558. (Ashanti.)

Lowland forests from Liberia to Cameroon, thence eastward across the Belgian Congo to the Niam Niam country and the Semliki Valley, south to the Cuanza River in Angola and the Lulua district of the Congo; Island of Fernando Po.

<sup>1</sup> Usually cited from p. 2 of the separately paged reprint "Consp. Vol. Anisodact."

**Ceratogymna elata** (Temminck)

*Buceros elatus* Temminck, Pl. col., livr. 88, 1831, pl. 521, f. 1. (No locality = Sierra Leone, *apud* Hartlaub, 1854.)

Forested country from Portuguese Guinea to western Cameroon.

GENUS **BUCEROS** LINNÉ

*Buceros* Linné, Syst. Nat., ed. 10, 1, 1758, p. 104. Type, by subsequent designation, *Buceros rhinoceros* Linné. Elliot, Monogr. Bucerot., pt. 10, 1882, p. xvi [= intro., p. xvi of volume].

*Hydrocorax* Brisson, Orn., 1, 1760, p. 44; 4, p. 565. Type, by tautonymy, *Hydrocorax* Brisson = *Buceros hydrocorax* Linné.

*Calao* Bonnaterre, Tabl. Encyc. méth., Orn., 1, 1792, p. lxxxviii. Type, by subsequent designation, *Buceros rhinoceros* Linné. (Mayr, Auk, 48, 1931, p. 600).

*Dichoceros* Gloger, Hand-und Hilfsb. Naturg., 1842 (1841), p. 335. Type, by monotypy, *Dichoceros cavatus* (Shaw) = *Buceros bicornis* Linné.

*Platycorax* Oberholser, Journ. Wash. Acad. Sci., 9, 1919, p. 167. Type, by original designation and monotypy, *Buceros semi-galeatus* Tweeddale.

*cf.* Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 284-285. Hachisuka, Bds. Philippine Ids., 2, 1934, p. 151-155. Kloss, Treubia, 12, 1930, p. 401-402.

**Buceros rhinoceros rhinoceros** Linné

*Buceros Rhinoceros* Linné, Syst. Nat., ed. 10, 1, 1758, p. 104. (India, error = Malacca.)

Malay Peninsula.

**Buceros rhinoceros sumatranus** Schlegel and Müller

*Buceros rhinoceros* var. *Sumatrana* Schlegel and Müller, Verh. Nat. Gesch. Nederl., Zool., 1840, Aves, p. 22. (Sumatra.)

Sumatra; Rhio Archipelago; Billiton. Doubtfully distinct from *B. r. rhinoceros*.

**Buceros rhinoceros silvestris** Vieillot

*Buceros silvestris* Vieillot, Nouv. Dict. Hist. Nat., 4, 1816, p. 592. (Moluccas = Java.)

Java.

**Buceros rhinoceros borneoensis** Schlegel and Müller

*Buceros rhinoceros* var. *Borneoensis* Schlegel and Müller, Verh. Nat. Gesch. Nederl., Zool., 1840, Aves, p. 22. (Borneo, restricted to

the Barito River by Chasen and Kloss, Bull. Raffles Mus., no. 4, 1930, p. 25.)

Borneo.

**Buceros bicornis** Linné

*Buceros bicornis* Linné, Syst. Nat., ed. 10, 1, 1758, p. 104. (China, i.e. Tonkin.)

*Buceros cristatus* Vieillot, Nouv. Dict. Hist. Nat., 4, 1816, p. 591. (Batavia, error = Sumatra.)

Western coast of India from Bombay to Travancore; Himalayas from Kuman to eastern Assam; Burma, Malay Peninsula, Siam, Indochina; Sumatra.

**Buceros hydrocorax hydrocorax** Linné

*Buceros Hydrocorax* Linné, Syst. Nat., ed. 12, 1, 1766, p. 153. (Moluccas, error = Philippines.)

Philippine Islands: Luzon, Marinduque.

**Buceros hydrocorax semigaleatus** Tweeddale

*Buceros semigaleatus* Tweeddale, Proc. Zool. Soc. London, 1878, p. 279. (Amparo, Leyte.)

Philippine Islands; Samar, Leyte, Bohol, Panaon.

**Buceros hydrocorax mindanensis** Tweeddale

*Buceros mindanensis* Tweeddale, Proc. Zool. Soc. London, 1877, p. 543. (Pasananca, Mindanao.)

Philippine Islands: Mindanao.

**Buceros hydrocorax basilanicus** (Hachisuka)

*Hydrocorax hydrocorax basilanica* Hachisuka, Bds. Philippine Ids., 2, 1934, p. 154. (Basilan.)

Philippine Islands: Basilan.

GENUS **RHINOPLAX** GLOGER

*Rhinoplax* Gloger, Hand-und Hilfsb. Naturg., 1842 (1841), p. 335.

Type, by subsequent designation, *Buceros scutatus* Bodd. = *Buceros galeatus* Gmelin = *Buceros vigil* Forster. (G. R. Gray, Cat. Gen. Subgen. Bds., 1855, p. 84.)

cf. Stuart Baker, Fauna Brit. India, ed. 2, Bds., 4, 1927, p. 305-306. Ogilvie-Grant, Cat. Bds. Brit. Mus., 17, 1892, p. 426-428.

**Rhinoplax vigil** (J. R. Forster)

*Buceros vigil* "Pennant" J. R. Forster, Indische Zool., 1781, p. 40, based on Edwards, pl. 281, f. c. (Sumatra.)

Tenasserim southward over the Malay Peninsula; Sumatra; Borneo.

GENUS *BUCORVUS*<sup>1</sup> LESSON

*Bucorvus* Lesson, *Traité d'Orn.*, livr. 4, 1830, p. 256. Type, by monotypy, *Buceros abyssinicus* Boddaert.

cf. Bannerman, *Bds. Trop. W. Afr.*, 3, 1933, p. 351-354.  
Chapin, *Bull. Am. Mus. Hist.*, 75, 1939, p. 366-370.

***Bucorvus abyssinicus* (Boddaert)**

*Buceros abyssinicus* Boddaert, *Table Pl. enlum.*, 1783, p. 48. Based on Daubenton, pl. 779. (Ethiopia.)

*Buceros carunculatus guineensis* Schlegel, *Mus. Pays-Bas*, 1, 1862, p. 20. (Accra, Gold Coast.)<sup>2</sup>

Gambia eastward through upper Guinea to northern Cameroon and across the Sudan to Eritrea and Ethiopia, south to the edge of the Guinean forests, northern Uganda and northern Kenya Colony.

***Bucorvus leadbeateri* (Vigors)**

*Buceros Leadbeateri* Vigors, *Trans. Linn. Soc. London*, 14, 1825, p. 460, note. ("Africa interiori Septentrionali" [sic].)<sup>3</sup>

*Buceros carunculatus cafer* Schlegel, *Mus. Pays-Bas*, 1, 1862, *Buceros*, p. 20. ("Cafrérie.") Not *Buceros erythrorhynchus* var. *cafer* Sundevall, 1851.

*Bucorvus schlegeli* Roberts, *Ann. Transvaal Mus.*, 11, 1926, p. 219. New name for *Buceros cafer* Schlegel, preoccupied.<sup>4</sup>

Savannas of the southern Congo, northeastern shore of Lake Tanganyika, eastern Uganda and the greater part of Kenya Colony, south to northern Damaraland and eastern Cape Province.

<sup>1</sup> Replaces *Bucorax* Sundevall, 1849, of Sharpe's Hand-list.

<sup>2</sup> Prof. Neumann, *in litt.*, believes *guineensis* to be a valid race.

<sup>3</sup> Almost certainly a lapsus for "Meridionali"; the description applies to the South African bird.

<sup>4</sup> For a different interpretation of Sundevall's varietal names, cf. Gyldenstolpe, *Ark. Zool.*, 19A, 1926, p. 115.





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